

Converting Colors

XYZ(77.7949, 92.1641, 60.2273)

Have a look what the booklet for
XYZ(77.7949, 92.1641, 60.2273)
contains.

XYZ(77.9016, 92.2210, 60.1489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.9016, 92.2210,
60.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFBA
RGB	232, 255, 186
RGB Percent	91%, 100%, 73%
CMY	0.0902, 0.0000, 0.2706
CMYK	0.09, 0.00, 0.27, 0.00
HSL	80°, 100%, 86%
HSV	80°, 27%, 100%
XYZ	77.9016, 92.2210, 60.1489
YIQ	240.2570, 8.4410, -26.3350

Conversions

Conversions Part 2

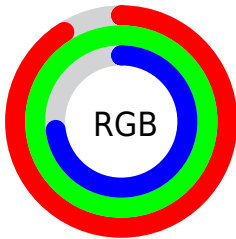
Format	Color
R_{YB}	186, 255, 209
Decimal	15269818
CIE Lab	96.91, -18.76, 30.57
CIE LCh	97, 35.868, 121.540
Yxy	92.2210, 0.3383, 0.4005
Android (android.graphics.Color)	4293459898 (0xFFE8FFBA)
YUV	240.2570, -26.7487, -7.2414
Hunter-Lab	96.0318, -23.2552, 30.0863

Details

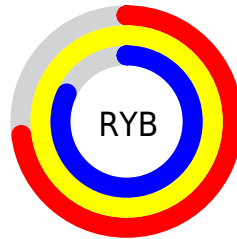
The XYZ color **77.9016, 92.2210, 60.1489** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.9044, 55.8943, 102.1337**, and the grayscale version is **83.2234, 87.5575, 95.3501**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **42.2634, 51.2842, 29.5011** is the 20% darker color. If you saturate the color by 10%, you get **72.7350, 89.8432, 46.9965**, and if you desaturate by 10%, it is **83.6863, 94.8614, 75.8580**.

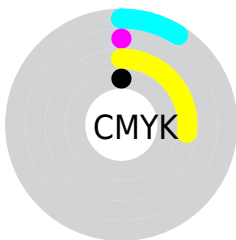
Distribution



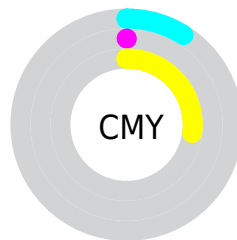
- Red (91%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (82%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9016, 92.2210, 60.1489 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.9016, 92.2210, 60.1489 by changing the saturation by 10% instead.

77.9016, 92.2210,
60.1489

77.9016, 92.2210,
60.1489

476.6775,
535.2295, 442.9663

58.2957, 69.8242,
43.1126

129.3775,
150.4197, 106.5911

42.2906, 51.3832,
29.6414

161.9782,
186.9903, 136.8341

29.5210, 36.5137,
19.3168

199.6411,
229.0544, 172.3164

19.6215, 24.8312,
11.7203

242.7317,
276.9962, 213.4565

12.2269, 15.9513,
6.4333

291.6153,
331.2003, 260.6730

6.9717, 9.4897,
3.0373

346.6572,

3.4906, 5.0620,

392.0509, 314.3845

1.1137

408.2228,
459.9325, 375.0094

■ 1.4182, 2.2837,
0.0000

■ 0.2691, 0.7650,
0.0000

■ 77.9016, 92.2210,
60.1489

■ 77.9016, 92.2210,
60.1489

■ 72.7350, 89.8432,
46.9965

■ 83.6863, 94.8614,
75.8580

■ 68.1577, 87.7164,
36.2612

■ 90.1136, 97.7744,
94.2454

■ 64.1401, 85.8285,
27.7962

95.0500, 100.0000,
108.9000

■ 60.6490, 84.1659,
21.4371

■ 57.6470, 82.7135,
16.9973

■ 55.0905, 81.4535,
14.2575

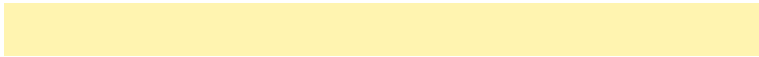
■ 52.9242, 80.3637,
12.9378

■ 52.3373, 80.0659,
12.6958

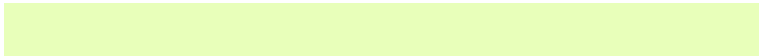
Harmonies

Analogous

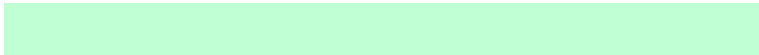
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1335, 92.2210, 54.5220



77.9016, 92.2210, 60.1489



71.6956, 92.2210, 76.2180

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9016, 92.2210, 60.1489



78.7385, 92.2210, 157.5386



108.4884, 92.2210, 98.9287

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.9016, 92.2210, 60.1489



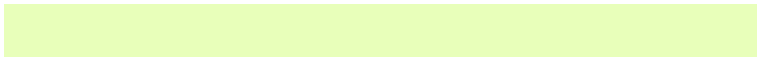
61.9044, 55.8943, 102.1337

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.8188, 92.2210, 129.2526



77.9016, 92.2210, 60.1489



88.1752, 92.2210, 166.7415

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



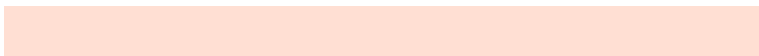
77.9016, 92.2210, 60.1489



72.1521, 92.2210, 132.3341



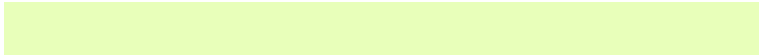
98.1866, 92.2210, 155.5331



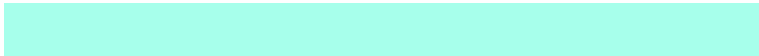
105.2294, 92.2210, 74.0883

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9016, 92.2210, 60.1489



69.8477, 92.2210, 92.4669



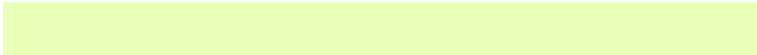
98.1866, 92.2210, 155.5331



108.2536, 92.2210, 108.8017

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.9020, 92.2211, 60.1502



89.4800, 97.4881, 92.3956



72.9040, 70.4069, 56.2031



18.9384, 20.7697, 19.1551



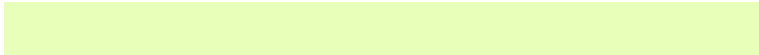
0.0000, 0.0000, 0.0000



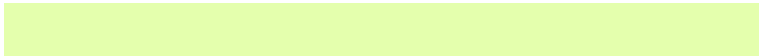
20.3446, 21.4041, 23.3091

Same Dimension

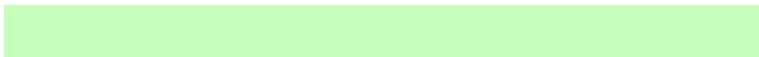
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9020, 92.2211, 60.1502



75.2730, 91.0139, 53.3385



67.7808, 87.0035, 59.6766



18.9384, 20.7697, 19.1551



27.5123, 41.9212, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



61.9044, 55.8943, 102.1337



57.0505, 49.6230, 101.1790



72.7445, 61.4826, 102.6410



17.5735, 17.6718, 22.7347



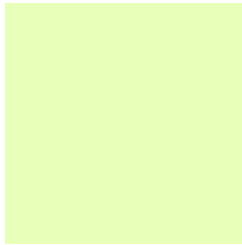
11.5297, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 77.9016, 92.2210, 60.1489 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.9016, 92.2210, 60.1489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

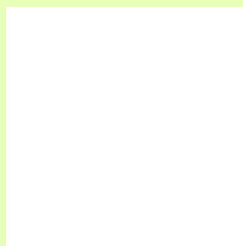
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9016, 92.2210, 60.1489

Background



This preview shows how black text looks on a background with the XYZ color 77.9016, 92.2210, 60.1489.

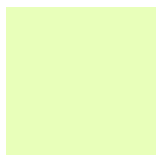


This preview shows how white text looks on a background with the XYZ color 77.9016, 92.2210,

Color Blindness Simulation

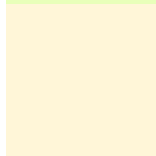
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



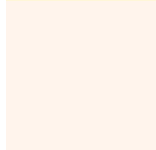
Original Color

77.9016, 92.2210, 60.1489



Protanopia

86.5904, 92.1294, 78.1847



Deuteranopia

88.7310, 92.0175, 92.4414



Tritanopia

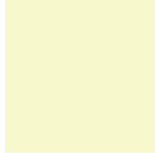
88.0106, 91.7579, 107.6801

Trichromacy



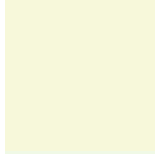
Original Color

77.9016, 92.2210, 60.1489



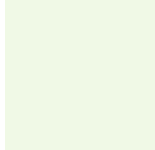
Protanomaly

83.2529, 91.9333, 71.1146



Deuteranomaly

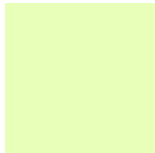
84.5801, 91.9709, 79.6240



Tritanomaly

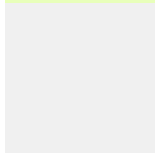
84.0938, 91.9898, 88.1865

Monochromacy



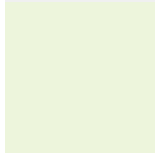
Original Color

77.9016, 92.2210, 60.1489



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.4957, 88.4766, 80.5453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9016, 92.2210, 60.1489 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 186)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 77.9016, 92.2210, 60.1489 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 255, 186) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 255, 186) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9016, 92.2210, 60.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 186) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
255, 186) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor