

Converting Colors

XYZ(77.1049, 92.0406, 49.7061)

Have a look what the booklet for
XYZ(77.1049, 92.0406, 49.7061)
contains.

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Color

**XYZ(77.2350, 92.1060,
49.7839)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFA6
RGB	236, 255, 166
RGB Percent	93%, 100%, 65%
CMY	0.0745, 0.0000, 0.3490
CMYK	0.07, 0.00, 0.35, 0.00
HSL	73°, 100%, 83%
HSV	73°, 35%, 100%
XYZ	77.2350, 92.1060, 49.7839
YIQ	239.1730, 17.2450, -31.7070

Conversions

Conversions Part 2

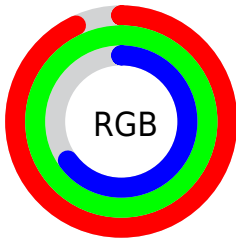
Format	Color
RYB	166, 255, 185
Decimal	15531942
CIELab	96.86, -19.90, 40.51
CIELCh	97, 45.138, 116.158
Yxy	92.1060, 0.3525, 0.4203
Android (android.graphics.Color)	4293722022 (0xFFE0FFA6)
YUV	239.1730, -36.0743, -2.7827
Hunter-Lab	95.9719, -24.2999, 36.4246

Details

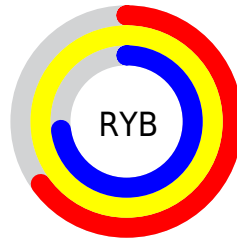
The XYZ color **77.2350, 92.1060, 49.7839** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.6948, 44.8080, 100.5319**, and the grayscale version is **82.4408, 86.7342, 94.4535**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **41.7651, 51.1641, 23.2972** is the 20% darker color. If you saturate the color by 10%, you get **73.3428, 90.3435, 38.5782**, and if you desaturate by 10%, it is **81.6469, 94.0828, 63.4373**.

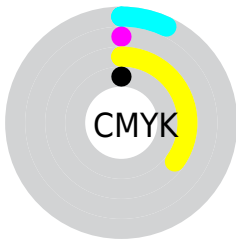
Distribution



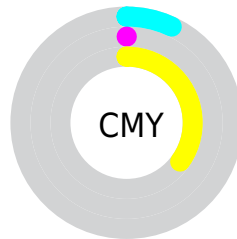
- Red (93%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2350, 92.1060, 49.7839 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 77.2350, 92.1060, 49.7839 by changing the saturation by 10% instead.

77.2350, 92.1060,
49.7839

77.2350, 92.1060,
49.7839

474.4446,
534.8580, 402.5311

57.7464, 69.7287,
34.8717

128.4422,
150.2603, 91.2476

41.8472, 51.3054,
23.2813

160.8916,
186.8061, 118.6363

29.1723, 36.4517,
14.5941

198.3918,
228.8434, 151.0208

19.3561, 24.7832,
8.3916

241.3083,
276.7568, 188.8198

12.0334, 15.9156,
4.2552

290.0065,
330.9305, 232.4518

6.8388, 9.4645,
1.7664

344.8517,

3.4069, 5.0454,

391.7490, 282.3353

0.4056

406.2093,
459.5968, 338.8889

■ 1.3724, 2.2739,
0.0000

■ 0.2365, 0.7598,
0.0000

■ 77.2350, 92.1060,
49.7839

■ 77.2350, 92.1060,
49.7839

■ 73.3428, 90.3435,
38.5782

■ 81.6469, 94.0828,
63.4373

■ 69.9411, 88.7835,
29.6711

■ 86.6030, 96.2837,
79.6676

■ 66.9994, 87.4137,
22.9035

■ 92.1279, 98.7185,
98.5997

■ 64.4827, 86.2202,
18.0944

95.0500, 100.0000,
108.9000

■ 62.3505, 85.1866,
15.0330

■ 60.5531, 84.2929,
13.4595

■ 59.7295, 83.8768,
13.0418

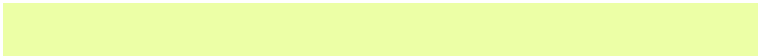
Harmonies

Analogous

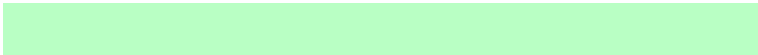
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1872, 92.1060, 45.5286



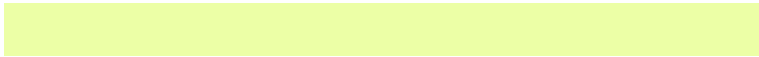
77.2350, 92.1060, 49.7839



68.8243, 92.1060, 66.2265

Triad

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



77.2350, 92.1060, 49.7839



74.6623, 92.1060, 170.1362



114.1774, 92.1060, 105.0376

Complementary

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



77.2350, 92.1060, 49.7839



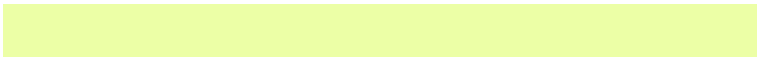
51.6948, 44.8080, 100.5319

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.



109.3831, 92.1060, 144.3905



77.2350, 92.1060, 49.7839



85.9211, 92.1060, 187.2775

Square

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



77.2350, 92.1060, 49.7839



67.4426, 92.1060, 134.3064



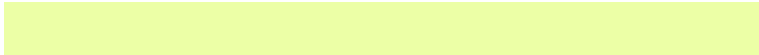
98.7318, 92.1060, 176.8757



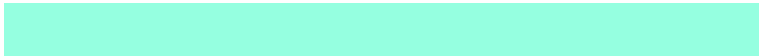
111.2885, 92.1060, 72.5611

Rectangle

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



77.2350, 92.1060, 49.7839



65.9512, 92.1060, 84.5002



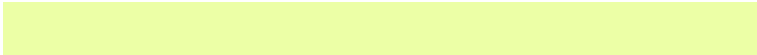
98.7318, 92.1060, 176.8757



113.3998, 92.1060, 117.9286

Sweetspot

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



77.2353, 92.1062, 49.7852



89.2382, 97.4472, 88.6011



65.2226, 58.2121, 43.8761



18.9359, 20.7851, 18.4016



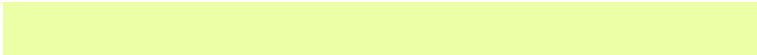
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

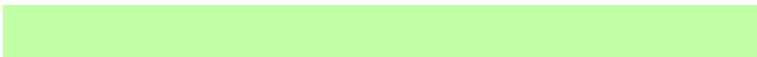
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2353, 92.1062, 49.7852



74.4201, 90.8335, 41.5857



64.5596, 85.5716, 49.1920



19.1593, 20.8836, 19.1655



31.3406, 43.8948, 6.8207



3.1416, 4.3203, 0.6683

Inverse Universe

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



51.6948, 44.8080, 100.5319



45.3675, 36.9999, 99.3583



63.7771, 51.0366, 101.0974



17.3654, 17.5646, 22.7250



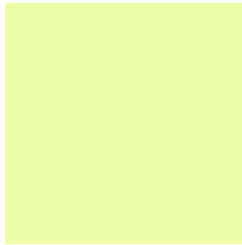
10.3392, 4.2405, 49.7082



1.0934, 0.4576, 4.8440

Previews

White Background



This preview shows how the XYZ color 77.2350, 92.1060, 49.7839 looks on a white background.

Color Contrast Check

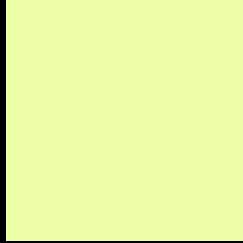
Large Text (above 18pt) WCAG AA × Fail

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 77.2350, 92.1060, 49.7839 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 77.2350, 92.1060, 49.7839

Background



This preview shows how black text looks on a background with the XYZ color 77.2350, 92.1060, 49.7839.

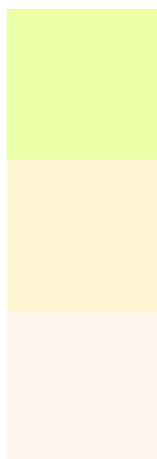


This preview shows how white text looks on a background with the XYZ color 77.2350, 92.1060,

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

77.2350, 92.1060, 49.7839

Protanopia

86.3334, 92.0266, 76.8310

Deuteranopia

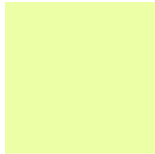
88.4420, 91.9019, 90.9193



Tritanopia

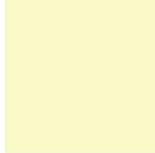
88.7585, 91.6955, 107.6287

Trichromacy



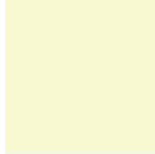
Original Color

77.2350, 92.1060, 49.7839



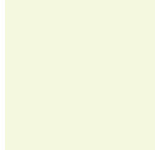
Protanomaly

82.6651, 91.7390, 66.1738



Deuteranomaly

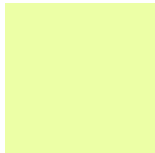
83.7874, 91.6947, 73.6044



Tritanomaly

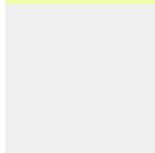
83.8488, 91.5172, 83.0573

Monochromacy



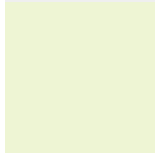
Original Color

77.2350, 92.1060, 49.7839



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7960, 88.2354, 75.1128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2350, 92.1060, 49.7839 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(236, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 166)  
}
```

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(236, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 77.2350, 92.1060, 49.7839 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(236, 255, 166) }
```


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

```
.border{ border-color:rgb(236, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2350, 92.1060, 49.7839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 166) }
```

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

```
.background{ background-color: rgb(236,  
255, 166) }
```

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](#).

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