

Converting Colors

XYZ(77.0913, 91.8929, 56.0571)

Have a look what the booklet for
XYZ(77.0913, 91.8929, 56.0571)
contains.

XYZ(77.1754, 91.9305, 56.3246)	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(77.1754, 91.9305,
56.3246)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFB3
RGB	232, 255, 179
RGB Percent	91%, 100%, 70%
CMY	0.0902, 0.0000, 0.2980
CMYK	0.09, 0.00, 0.30, 0.00
HSL	78°, 100%, 85%
HSV	78°, 30%, 100%
XYZ	77.1754, 91.9305, 56.3246
YIQ	239.4590, 10.6880, -28.5120

Conversions

Conversions Part 2

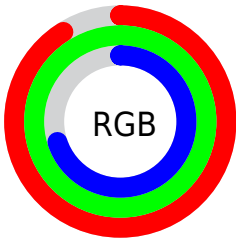
Format	Color
RYB	179, 255, 202
Decimal	15269811
CIELab	96.79, -19.71, 33.92
CIELCh	97, 39.230, 120.160
Yxy	91.9305, 0.3423, 0.4078
Android (android.graphics.Color)	4293459891 (0xFFE8FFB3)
YUV	239.4590, -29.8063, -6.5415
Hunter-Lab	95.8804, -24.1137, 32.2866

Details

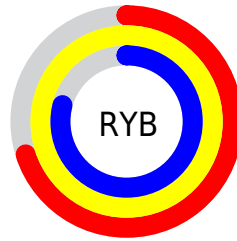
The XYZ color **77.1754, 91.9305, 56.3246** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.5282, 52.0180, 101.5634**, and the grayscale version is **82.6205, 86.9232, 94.6593**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **41.8645, 51.1246, 27.4002** is the 20% darker color. If you saturate the color by 10%, you get **72.3797, 89.7291, 43.8597**, and if you desaturate by 10%, it is **82.5589, 94.3797, 71.3090**.

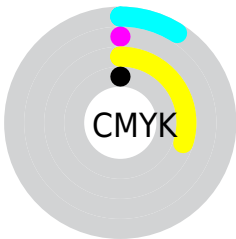
Distribution



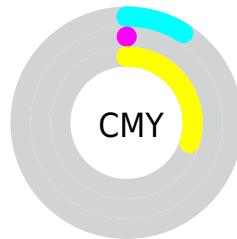
- Red (91%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (79%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1754, 91.9305, 56.3246 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 77.1754, 91.9305, 56.3246 by changing the saturation by 10% instead.

77.1754, 91.9305,
56.3246

77.1754, 91.9305,
56.3246

474.2446,
534.2909, 428.3363

57.6973, 69.5829,
40.0575

128.3586,
150.0171, 100.9695

41.8076, 51.1866,
27.2692

160.7943,
186.5248, 130.1845

29.1411, 36.3571,
17.5413

198.2800,
228.5214, 164.5524

19.3324, 24.7101,
10.4552

241.1810,
276.3913, 204.4919

12.0162, 15.8612,
5.5922

289.8625,
330.5187, 250.4215

6.8270, 9.4260,
2.5340

344.6901,

3.3995, 5.0201,

391.2882, 302.7597

0.8581

406.0290,
459.0841, 361.9251

■ 1.3684, 2.2590,
0.0000

■ 0.2335, 0.7519,
0.0000

■ 77.1754, 91.9305,
56.3246

■ 77.1754, 91.9305,
56.3246

■ 72.3797, 89.7291,
43.8597

■ 82.5589, 94.3797,
71.3090

■ 68.1429, 87.7639,
33.7715

■ 88.5546, 97.0866,
88.9370

■ 64.4350, 86.0226,
25.9094

95.0500, 100.0000,
108.9000

■ 61.2225, 84.4916,
20.1034

■ 58.4668, 83.1555,
16.1595

■ 56.1227, 81.9958,
13.8462

■ 54.1183, 80.9837,
12.7935

■ 54.0807, 80.9646,
12.7774

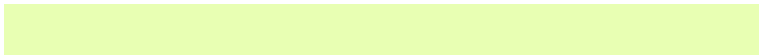
Harmonies

Analogous

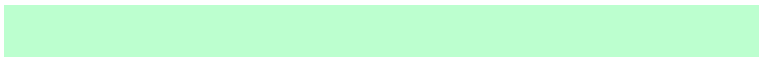
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3183, 91.9305, 50.9184



77.1754, 91.9305, 56.3246



70.2842, 91.9305, 72.8789

Triad

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



77.1754, 91.9305, 56.3246



77.2693, 91.9305, 162.3724



110.2814, 91.9305, 99.9281

Complementary

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



77.1754, 91.9305, 56.3246



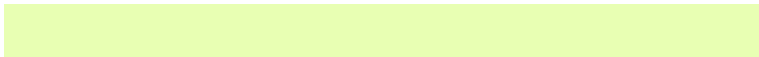
58.5282, 52.0180, 101.5634

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.



107.0385, 91.9305, 133.3657



77.1754, 91.9305, 56.3246



87.4361, 91.9305, 173.7147

Square

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



77.1754, 91.9305, 56.3246



70.3351, 91.9305, 133.7197



98.4406, 91.9305, 162.1397



106.9711, 91.9305, 72.6427

Rectangle

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



77.1754, 91.9305, 56.3246



68.1497, 91.9305, 90.0966



98.4406, 91.9305, 162.1397



109.9184, 91.9305, 110.8106

Sweetspot

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



77.1758, 91.9307, 56.3259



89.0633, 97.3155, 90.4708



70.4510, 66.6628, 51.8032



18.8666, 20.7410, 18.7724



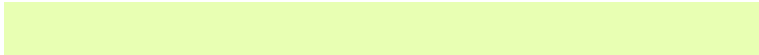
0.0000, 0.0000, 0.0000



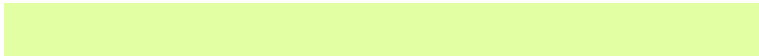
20.3446, 21.4041, 23.3091

Same Dimension

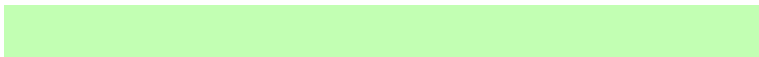
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1758, 91.9307, 56.3259



74.1362, 90.5379, 48.3125



66.1969, 86.2708, 55.8121



18.9947, 20.7987, 19.1578



28.4169, 42.3875, 6.6839



2.8778, 4.1843, 0.6560

Inverse Universe

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



58.5282, 52.0180, 101.5634



52.6640, 44.5595, 100.4329



70.0381, 57.9515, 102.1021



17.5198, 17.6442, 22.7322



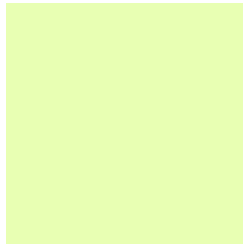
11.1694, 4.6685, 49.7470



1.1926, 0.5087, 4.8486

Previews

White Background



This preview shows how the XYZ color 77.1754, 91.9305, 56.3246 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 77.1754, 91.9305, 56.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

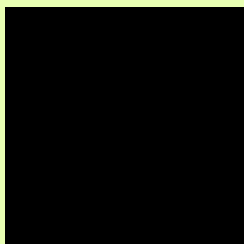
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

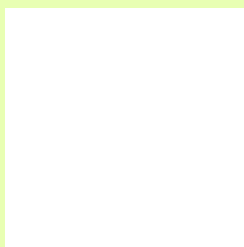
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1754, 91.9305, 56.3246

Background



This preview shows how black text looks on a background with the XYZ color 77.1754, 91.9305, 56.3246.

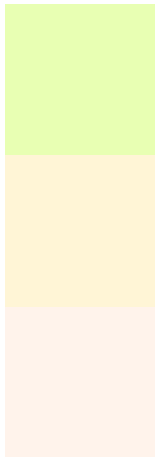


This preview shows how white text looks on a background with the XYZ color 77.1754, 91.9305,

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

77.1754, 91.9305, 56.3246

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

88.2860, 91.3593, 91.5782

Tritanopia

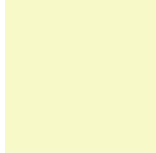
88.0106, 91.7579, 107.6801

Trichromacy



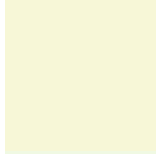
Original Color

77.1754, 91.9305, 56.3246



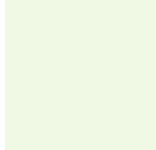
Protanomaly

82.7761, 91.7426, 68.6037



Deuteranomaly

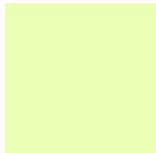
83.8843, 91.2020, 77.4725



Tritanomaly

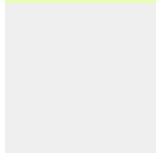
83.6760, 91.8227, 85.9864

Monochromacy



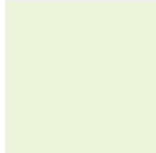
Original Color

77.1754, 91.9305, 56.3246



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7689, 88.1474, 78.4555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1754, 91.9305, 56.3246 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 77.1754, 91.9305, 56.3246 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, 179) }
```


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

```
.border{ border-color:rgb(232, 255, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1754, 91.9305, 56.3246 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, 179) }
```

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

```
.background{ background-color: rgb(232,  
255, 179) }
```

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