

Converting Colors

XYZ(44.8886, 66.3526, 51.1836)

Have a look what the booklet for
XYZ(44.8886, 66.3526, 51.1836)
contains.

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Color

**XYZ(44.7823, 66.2937,
50.9931)**

Conversions

Conversions Part 1

Format	Color
Hex	75EBAF
RGB	117, 235, 175
RGB Percent	46%, 92%, 69%
CMY	0.5412, 0.0784, 0.3137
CMYK	0.50, 0.00, 0.26, 0.08
HSL	149°, 75%, 69%
HSV	149°, 50%, 92%
XYZ	44.7823, 66.2937, 50.9931
YIQ	192.8780, -51.0680, -43.6760

Conversions

Conversions Part 2

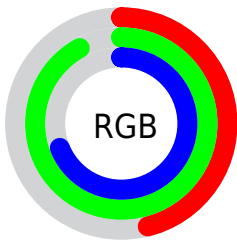
Format	Color
RYB	117, 196, 235
Decimal	7728047
CIELab	85.15, -46.91, 19.07
CIELCh	85, 50.636, 157.871
Yxy	66.2937, 0.2763, 0.4090
Android (android.graphics.Color)	4285918127 (0xFF75EBAF)
YUV	192.8780, -8.8139, -66.5450
Hunter-Lab	81.4209, -44.3099, 19.8619

Details

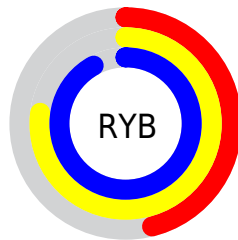
The XYZ color **44.7823, 66.2937, 50.9931** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **48.5602, 33.5606, 45.5159**, and the grayscale version is **50.6900, 53.3298, 58.0762**.

A 20% lighter version of the original color is **67.8630, 86.4035, 88.7021**, and **21.0088, 34.0582, 23.8790** is the 20% darker color. If you saturate the color by 10%, you get **40.8903, 64.4187, 44.9539**, and if you desaturate by 10%, it is **49.5742, 68.6241, 57.6195**.

Distribution



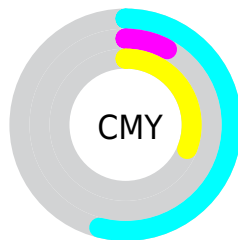
- Red (46%)
- Green (92%)
- Blue (69%)



- Red (46%)
- Yellow (77%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)





- Cyan (54%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7823, 66.2937, 50.9931 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 44.7823, 66.2937, 50.9931 by changing the saturation by 10% instead.


 44.7823, 66.2937,
50.9931


 44.7823, 66.2937,
50.9931


356.6897,
447.4265, 407.3828


 31.4865, 48.5109,
35.8264


 81.6327, 113.9078,
93.0560

 21.1233, 34.2316,
24.0115


 105.9181,
144.5078, 120.7892

 13.3271, 23.0716,
15.1299


 134.5973,
180.1490, 153.5485

 7.7327, 14.6464,
8.7630

168.0359,
221.2158, 191.7522

 3.9748, 8.5716,
4.4922

206.5990,
268.0925, 235.8189

 1.6879, 4.4628,
1.8991

250.6521,

 0.4487, 1.9357,

321.1636, 286.1673

0.4921

300.5606,
380.8135, 343.2157

■ 0.0000, 0.5697,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.7823, 66.2937,
50.9931

■ 44.7823, 66.2937,
50.9931

■ 40.8903, 64.4187,
44.9539

■ 49.5742, 68.6241,
57.6195

■ 37.8297, 62.9589,
39.4804


■ 55.3174, 71.4309,
64.8448


■ 35.5304, 61.8802,
34.5562


■ 62.0657, 74.7432,
72.6858


■ 33.9070, 61.1389,
30.1622

■ 69.8671, 78.5856,
81.1573

 32.8334, 60.6686,
26.3530

 78.7665, 82.9808,
90.2736

 87.6917, 87.3760,
99.9964

 88.9995, 87.8991,
106.8832

Harmonies

Analogous

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



50.4707, 66.2937, 33.0552



44.7823, 66.2937, 50.9931



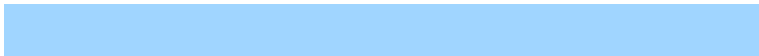
43.6684, 66.2937, 81.1395

Triad

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



44.7823, 66.2937, 50.9931



66.0646, 66.2937, 154.0992



81.9788, 66.2937, 40.0551

Complementary

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



44.7823, 66.2937, 50.9931



48.5602, 33.5606, 45.5159

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.



87.3562, 66.2937, 63.9103



44.7823, 66.2937, 50.9931



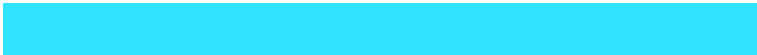
77.4715, 66.2937, 134.0636

Square

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



44.7823, 66.2937, 50.9931



55.0964, 66.2937, 147.4984



85.6142, 66.2937, 98.5535



71.6477, 66.2937, 28.1992

Rectangle

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



44.7823, 66.2937, 50.9931



45.5265, 66.2937, 105.7462



85.6142, 66.2937, 98.5535



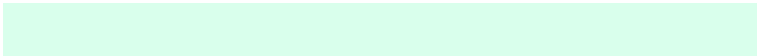
84.4792, 66.2937, 46.5984

Sweetspot

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



44.7841, 66.2964, 50.9946



79.3761, 92.2635, 92.6399



51.2738, 70.1649, 27.6712



16.5696, 19.5413, 19.3698



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.



44.7841, 66.2964, 50.9946



49.1954, 77.5272, 54.0718



51.7593, 69.0865, 87.7259



15.1769, 16.9856, 17.6146



18.3367, 33.7892, 15.0042



1.4884, 2.6727, 1.4336

Inverse Universe

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



48.5602, 33.5606, 45.5159



54.2091, 34.0498, 46.7875



43.9519, 31.7172, 21.2486



15.3851, 15.1819, 17.3132



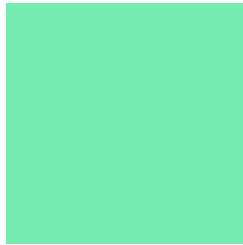
21.0022, 10.6036, 11.0790



1.6978, 0.8521, 1.1259

Previews

White Background



This preview shows how the XYZ color 44.7823, 66.2937, 50.9931 looks on a white background.

Color Contrast Check

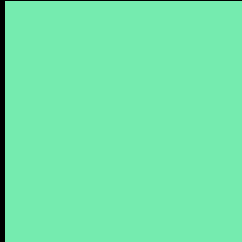
Large Text (above 18pt) WCAG AA × Fail

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 44.7823, 66.2937, 50.9931 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 44.7823, 66.2937, 50.9931

Background



This preview shows how black text looks on a background with the XYZ color 44.7823, 66.2937, 50.9931.

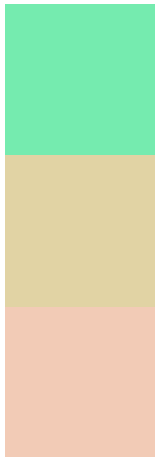


This preview shows how white text looks on a background with the XYZ color 44.7823, 66.2937, 50.9931.

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

44.7823, 66.2937, 50.9931

Protanopia

61.0464, 65.2764, 44.5041

Deuteranopia

66.4174, 64.9665, 53.2952



Tritanopia

53.6788, 66.1586, 95.5287

Trichromacy



Original Color

44.7823, 66.2937, 50.9931



Protanomaly

52.9108, 64.4527, 46.6977



Deuteranomaly

55.4631, 63.7259, 52.0249



Tritanomaly

49.8588, 65.8202, 77.0946

Monochromacy



Original Color

44.7823, 66.2937, 50.9931



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.9359, 56.6563, 54.9163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7823, 66.2937, 50.9931 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(117, 235, 175)` looks like.

```
.text, #text, p{  
    color:rgb(117, 235, 175)  
}
```

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(117, 235, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 235, 175) }
```

Border

The CSS property to change the border of an element to XYZ 44.7823, 66.2937, 50.9931 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(117, 235, 175) }
```


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

```
.border{ border-color:rgb(117, 235, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 235, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 235, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 235, 175);  
box-shadow:4px 4px 4px 4px rgb(117, 235,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7823, 66.2937, 50.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 235, 175) }
```

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

```
.background{ background-color: rgb(117,  
235, 175) }
```

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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