

Converting Colors

XYZ(50.4771, 67.7578, 20.5271)

Have a look what the booklet for
XYZ(50.4771, 67.7578, 20.5271)
contains.

XYZ(50.4783, 67.8054, 20.5525)	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(50.4783, 67.8054,
20.5525)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE65C
RGB	186, 230, 92
RGB Percent	73%, 90%, 36%
CMY	0.2706, 0.0980, 0.6392
CMYK	0.19, 0.00, 0.60, 0.10
HSL	79°, 73%, 63%
HSV	79°, 60%, 90%
XYZ	50.4783, 67.8054, 20.5525
YIQ	201.1120, 18.0740, -52.2460

Conversions

Conversions Part 2

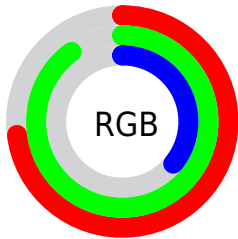
Format	Color
R_{YB}	92, 230, 136
Decimal	12248668
CIE _{Lab}	85.91, -34.35, 60.98
CIE _{LCh}	86, 69.989, 119.395
Yxy	67.8054, 0.3636, 0.4884
Android (android.graphics.Color)	4290438748 (0xFFBAE65C)
YUV	201.1120, -53.7922, -13.2532
Hunter-Lab	82.3440, -34.6785, 42.8425

Details

The XYZ color **50.4783, 67.8054, 20.5525** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.2661, 18.6035, 76.9678**, and the grayscale version is **55.9038, 58.8152, 64.0497**.

A 20% lighter version of the original color is **78.6826, 93.0391, 41.4151**, and **24.6307, 35.1334, 6.9966** is the 20% darker color. If you saturate the color by 10%, you get **47.8858, 66.5702, 15.9563**, and if you desaturate by 10%, it is **53.4707, 69.2159, 26.7629**.

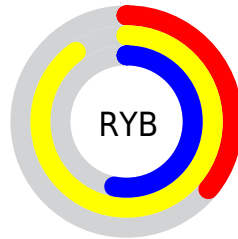
Distribution



Red (73%)

Green (90%)

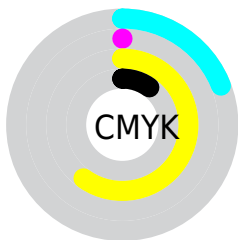
Blue (36%)



Red (36%)

Yellow (90%)

Blue (53%)

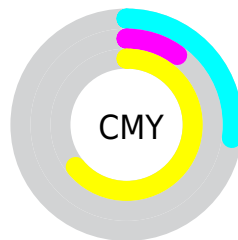


Cyan (19%)

Magenta (0%)

Yellow (60%)

Black (10%)



Cyan (27%)

Magenta (10%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4783, 67.8054, 20.5525 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 50.4783, 67.8054, 20.5525 by changing the saturation by 10% instead.

50.4783, 67.8054,
20.5525

50.4783, 67.8054,
20.5525

378.9546,
452.8062, 267.5931

36.0129, 49.7394,
12.6092

90.0707, 116.0737,
45.2127

24.6143, 35.2064,
7.0325

115.9285,
147.0448, 62.7666

15.9172, 23.8219,
3.4037

146.3145,
183.0865, 84.3613

9.5560, 15.2016,
1.3043

181.5940,
224.5830, 110.4151

5.1656, 8.9610,
0.0653

222.1324,
271.9189, 141.3466

2.3805, 4.7157,
0.0000

268.2951,

0.8354, 2.0815,

325.4785, 177.5745

0.0000

320.4474,
385.6461, 219.5171

■ 0.0000, 0.6542,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.4783, 67.8054,
20.5525

■ 50.4783, 67.8054,
20.5525

■ 47.8858, 66.5702,
15.9563

■ 53.4707, 69.2159,
26.7629

■ 45.6583, 65.4890,
12.8193


■ 56.8845, 70.8033,
34.7150


■ 43.7622, 64.5506,
10.9638


■ 60.7451, 72.5803,
44.5287


■ 42.1372, 63.7308,
10.0805


■ 65.0741, 74.5557,
56.3118

 42.1370, 63.7307,
10.0804

 69.8919, 76.7377,
70.1640

 75.2173, 79.1341,
86.1784

 81.0679, 81.7520,
104.4421

 83.8910, 83.1705,
106.2397

 86.4964, 84.5137,
106.3617

Harmonies

Analogous

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



64.7727, 67.8054, 16.0820



50.4783, 67.8054, 20.5525



41.4025, 67.8054, 37.4052

Triad

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



50.4783, 67.8054, 20.5525



50.0013, 67.8054, 178.7731



100.4194, 67.8054, 74.7637

Complementary

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



50.4783, 67.8054, 20.5525



28.2661, 18.6035, 76.9678

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.



94.7638, 67.8054, 128.4698



50.4783, 67.8054, 20.5525



64.1224, 67.8054, 201.8532

Square

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



50.4783, 67.8054, 20.5525



41.1609, 67.8054, 126.1504



80.7807, 67.8054, 180.4576



95.1849, 67.8054, 38.4396

Rectangle

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



50.4783, 67.8054, 20.5525



38.6621, 67.8054, 58.7533



80.7807, 67.8054, 180.4576



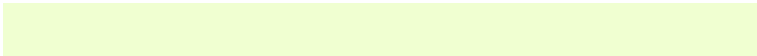
99.7162, 67.8054, 91.2842

Sweetspot

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



50.4799, 67.8084, 20.5539



83.3397, 94.7174, 74.2763



43.3294, 35.1218, 14.6217



17.4747, 20.1083, 14.8778



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.



50.4799, 67.8084, 20.5539



59.7935, 83.7769, 19.0479



37.6073, 61.1724, 19.9515



15.1313, 16.5747, 15.3062



23.9868, 36.1471, 5.7129



1.8681, 2.7204, 0.4266

Inverse Universe

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



28.2661, 18.6035, 76.9678



29.5264, 16.5191, 96.2400



43.2067, 26.3057, 77.6670



14.0133, 14.1091, 18.1291



9.7689, 4.1020, 42.6601



0.8157, 0.3515, 3.1568

Previews

White Background



This preview shows how the XYZ color 50.4783, 67.8054, 20.5525 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 50.4783, 67.8054, 20.5525 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 50.4783, 67.8054, 20.5525

Background



This preview shows how black text looks on a background with the XYZ color 50.4783, 67.8054, 20.5525.

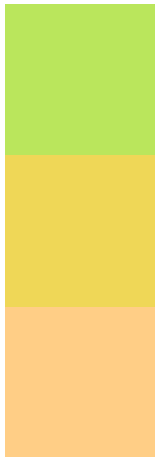


This preview shows how white text looks on a background with the XYZ color 50.4783, 67.8054,

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

50.4783, 67.8054, 20.5525

Protanopia

61.6173, 67.6397, 18.8250

Deuteranopia

67.6144, 67.1238, 31.9468



Tritanopia

63.8924, 67.6914, 86.7891

Trichromacy



Original Color

50.4783, 67.8054, 20.5525

Protanomaly

56.9116, 67.1233, 19.4077

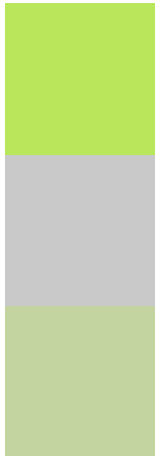
Deuteranomaly

60.2633, 66.7558, 27.1617

Tritanomaly

57.3259, 66.9606, 54.1593

Monochromacy



Original Color

50.4783, 67.8054, 20.5525

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

52.7415, 61.3959, 42.7890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4783, 67.8054, 20.5525 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(186, 230, 92)` looks like.

```
.text, #text, p{  
    color:rgb(186, 230, 92)  
}
```

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(186, 230, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 230, 92) }
```

Border

The CSS property to change the border of an element to XYZ 50.4783, 67.8054, 20.5525 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(186, 230, 92) }
```


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

```
.border{ border-color:rgb(186, 230, 92) }
```

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

Here you see how a box with a 4 pixel rgb(186, 230, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 230, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 230, 92);  
box-shadow:4px 4px 4px 4px rgb(186, 230,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4783, 67.8054, 20.5525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 230, 92) }
```

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

```
.background{ background-color: rgb(186,  
230, 92) }
```

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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