

Converting Colors

XYZ(50.6354, 67.8393, 20.5347)

Have a look what the booklet for
XYZ(50.6354, 67.8393, 20.5347)
contains.

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Color

**XYZ(50.7221, 67.9311,
20.5639)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE65C
RGB	187, 230, 92
RGB Percent	73%, 90%, 36%
CMY	0.2667, 0.0980, 0.6392
CMYK	0.19, 0.00, 0.60, 0.10
HSL	79°, 73%, 63%
HSV	79°, 60%, 90%
XYZ	50.7221, 67.9311, 20.5639
YIQ	201.4110, 18.6700, -52.0340

Conversions

Conversions Part 2

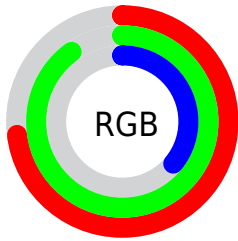
Format	Color
R_{YB}	92, 230, 135
Decimal	12314204
CIE _{Lab}	85.97, -33.97, 61.07
CIE _{LCh}	86, 69.880, 119.089
Yxy	67.9311, 0.3643, 0.4880
Android (android.graphics.Color)	4290504284 (0xFFBBE65C)
YUV	201.4110, -53.9396, -12.6384
Hunter-Lab	82.4203, -34.3853, 42.9014

Details

The XYZ color **50.7221, 67.9311, 20.5639** 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 **28.1044, 18.5202, 76.9603**, and the grayscale version is **56.0906, 59.0117, 64.2638**.

A 20% lighter version of the original color is **79.0325, 93.2194, 41.4315**, and **24.6307, 35.1334, 6.9966** is the 20% darker color. If you saturate the color by 10%, you get **48.1559, 66.7095, 15.9689**, and if you desaturate by 10%, it is **53.6842, 69.3260, 26.7729**.

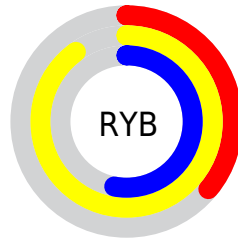
Distribution



Red (73%)

Green (90%)

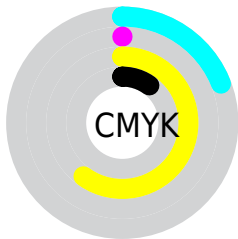
Blue (36%)



Red (36%)

Yellow (90%)

Blue (53%)

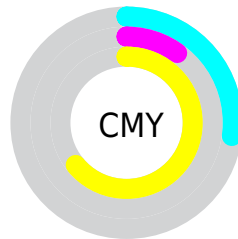


Cyan (19%)

Magenta (0%)

Yellow (60%)

Black (10%)



Cyan (27%)

Magenta (10%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7221, 67.9311, 20.5639 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 50.7221, 67.9311, 20.5639 by changing the saturation by 10% instead.

■ 50.7221, 67.9311,
20.5639

■ 50.7221, 67.9311,
20.5639

379.8886,
453.2519, 267.6562

■ 36.2076, 49.8417,
12.6175

■ 90.4293, 116.2536,
45.2319

■ 24.7655, 35.2876,
7.0381

■ 116.3527,
147.2554, 62.7906

■ 16.0302, 23.8845,
3.4071

■ 146.8099,
183.3302, 84.3905

■ 9.6365, 15.2480,
1.3061

■ 182.1661,
224.8623, 110.4500

■ 5.2190, 8.9936,
0.0668

222.7867,
272.2361, 141.3879

■ 2.4124, 4.7370,
0.0000

269.0371,

■ 0.8513, 2.0938,

325.8361, 177.6225

0.0000

321.2826,
386.0465, 219.5724

0.0000, 0.6611,
0.0000

0.0000, 0.0000,
0.0000

50.7221, 67.9311,
20.5639

50.7221, 67.9311,
20.5639

48.1559, 66.7095,
15.9689

53.6842, 69.3260,
26.7729

45.9510, 65.6399,
12.8330


57.0637, 70.8957,
34.7234


44.0736, 64.7112,
10.9783


60.8859, 72.6529,
44.5353


42.4637, 63.8991,
10.0958


65.1723, 74.6063,
56.3164


 42.4635, 63.8990,
10.0957

 69.9432, 76.7642,
70.1664

 75.2173, 79.1341,
86.1784

 81.0122, 81.7234,
104.4395

 83.7751, 83.1108,
106.2343

 86.3156, 84.4205,
106.3532

Harmonies

Analogous

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



65.0574, 67.9311, 16.1839



50.7221, 67.9311, 20.5639



41.5851, 67.9311, 37.2796

Triad

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



50.7221, 67.9311, 20.5639



50.0034, 67.9311, 178.3721



100.5124, 67.9311, 75.3766

Complementary

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



50.7221, 67.9311, 20.5639



28.1044, 18.5202, 76.9603

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.



94.7559, 67.9311, 129.1529



50.7221, 67.9311, 20.5639



64.0781, 67.9311, 201.8393

Square

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



50.7221, 67.9311, 20.5639



41.2210, 67.9311, 125.6627



80.7253, 67.9311, 180.9059



95.3897, 67.9311, 38.8392

Rectangle

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



50.7221, 67.9311, 20.5639



38.8026, 67.9311, 58.4957



80.7253, 67.9311, 180.9059



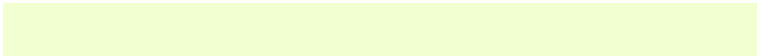
99.7716, 67.9311, 91.9471

Sweetspot

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



50.7237, 67.9341, 20.5653



83.4530, 94.7757, 74.2816



43.0098, 34.4827, 14.5151



17.5025, 20.1226, 14.8791



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.



50.7237, 67.9341, 20.5653



60.1421, 83.9566, 19.0642



37.9212, 61.3342, 19.9662



15.1417, 16.5801, 15.3067



24.1704, 36.2418, 5.7215



1.8806, 2.7268, 0.4272

Inverse Universe

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



28.1044, 18.5202, 76.9603



29.3237, 16.4146, 96.2305



42.5781, 25.9816, 77.6377



14.0033, 14.1039, 18.1286



9.6963, 4.0645, 42.6566



0.8094, 0.3482, 3.1565

Previews

White Background



This preview shows how the XYZ color 50.7221, 67.9311, 20.5639 looks on a white background.

Color Contrast Check

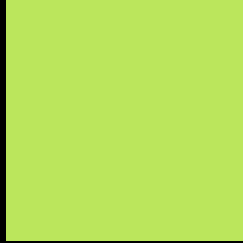
Large Text (above 18pt) WCAG AA × Fail

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 50.7221, 67.9311, 20.5639 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 50.7221, 67.9311, 20.5639

Background



This preview shows how black text looks on a background with the XYZ color 50.7221, 67.9311, 20.5639.

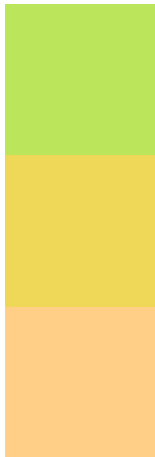


This preview shows how white text looks on a background with the XYZ color 50.7221, 67.9311,

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

50.7221, 67.9311, 20.5639

Protanopia

61.6585, 67.6562, 19.0417

Deuteranopia

67.6845, 67.1519, 32.3159



Tritanopia

64.1657, 67.8323, 86.8018

Trichromacy



Original Color

50.7221, 67.9311, 20.5639

Protanomaly

56.9116, 67.1233, 19.4077

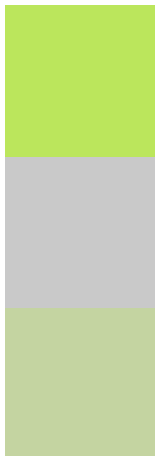
Deuteranomaly

60.2633, 66.7558, 27.1617

Tritanomaly

57.5887, 67.0961, 54.1716

Monochromacy



Original Color

50.7221, 67.9311, 20.5639

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 50.7221, 67.9311, 20.5639 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(187, 230, 92)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 230, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 230, 92) }
```

Border

The CSS property to change the border of an element to XYZ 50.7221, 67.9311, 20.5639 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(187, 230, 92) }
```


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

```
.border{ border-color:rgb(187, 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(187, 230, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 230, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 230, 92);  
box-shadow:4px 4px 4px 4px rgb(187, 230,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7221, 67.9311, 20.5639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 230, 92) }
```

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

```
.background{ background-color: rgb(187,  
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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