

Converting Colors

XYZ(50.6915, 69.6025, 10.7629)

Have a look what the booklet for
XYZ(50.6915, 69.6025, 10.7629)
contains.

XYZ(50.9087, 69.9220, 10.8131)	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(50.9087, 69.9220,
10.8131)**

Conversions

Conversions Part 1

Format	Color
Hex	BFEA00
RGB	191, 234, 0
RGB Percent	75%, 92%, 0%
CMY	0.2510, 0.0823, 0.9999
CMYK	0.18, 0.00, 1.00, 0.08
HSL	71°, 100%, 46%
HSV	71°, 100%, 92%
XYZ	50.9087, 69.9220, 10.8131
YIQ	194.4670, 49.4860, -81.8900

Conversions

Conversions Part 2

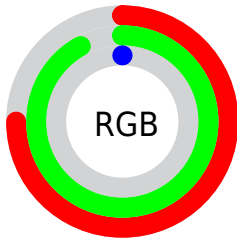
Format	Color
RYB	0, 234, 43
Decimal	12577280
CIELab	86.96, -37.73, 84.90
CIElCh	87, 92.903, 113.961
Yxy	69.9220, 0.3867, 0.5311
Android (android.graphics.Color)	4290767360 (0xFFBFEA00)
YUV	194.4670, -95.8722, -3.0406
Hunter-Lab	83.6194, -37.6605, 50.8666

Details

The XYZ color **50.9087, 69.9220, 10.8131** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **15.8503, 6.4559, 78.2568**, and the grayscale version is **52.0897, 54.8025, 59.6799**.

A 20% lighter version of the original color is **77.7503, 92.9536, 23.5168**, and **25.4361, 36.7463, 5.7521** is the 20% darker color. If you saturate the color by 10%, you get **50.9086, 69.9243, 10.8136**, and if you desaturate by 10%, it is **52.1669, 70.5546, 11.7024**.

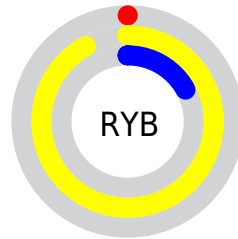
Distribution



Red (75%)

Green (92%)

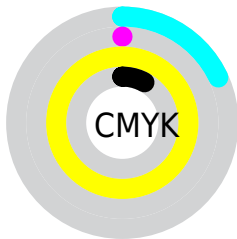
Blue (0%)



Red (0%)

Yellow (92%)

Blue (17%)

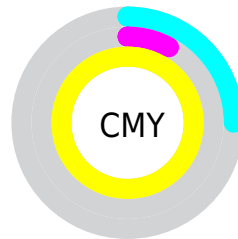


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (25%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9087, 69.9220, 10.8131 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 50.9087, 69.9220, 10.8131 by changing the saturation by 10% instead.


 50.9087, 69.9220,
10.8131

 50.9087, 69.9220,
10.8131


380.6025,
460.2761, 207.0720


 36.3567, 51.4629,
5.8287


 90.7036, 119.0975,
27.9454

 24.8812, 36.5772,
2.6741


 116.6772,
150.5828, 40.9304


 16.1168, 24.8803,
0.9304


 147.1887,
187.1789, 57.4193

 9.6982, 15.9879,
0.0000

 182.6035,
229.2702, 77.8307

 5.2601, 9.5156,
0.0000

 223.2869,
277.2412, 102.5831

 2.4370, 5.0790,
0.0000

 269.6043,

 0.8636, 2.2937,

331.4763, 132.0951

0.0000

321.9211,
392.3598, 166.7852

■ 0.0000, 0.7704,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.9087, 69.9220,
10.8131

■ 50.9087, 69.9220,
10.8131

■ 50.9086, 69.9243,
10.8136

■ 52.1669, 70.5546,
11.7024

■ 53.6473, 71.2773,
13.6021

■ 55.4126, 72.1176,
16.8327

■ 57.4983, 73.0899,
21.5811

■ 59.9347, 74.2063,
28.0047

■ 62.7480, 75.4772,
36.2410

■ 65.9621, 76.9123,
46.4133

■ 69.5984, 78.5202,
58.6342

■ 73.6770, 80.3089,
73.0077

Harmonies

Analogous

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



70.9473, 69.9220, 8.3960



50.9087, 69.9220, 10.8131



38.0996, 69.9220, 25.2384

Triad

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



50.9087, 69.9220, 10.8131



44.8030, 69.9220, 219.4652



117.2054, 69.9220, 89.4142

Complementary

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



50.9087, 69.9220, 10.8131



15.8503, 6.4559, 78.2568

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.



106.2441, 69.9220, 170.3363



50.9087, 69.9220, 10.8131



62.1636, 69.9220, 267.6032

Square

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



50.9087, 69.9220, 10.8131



35.1489, 69.9220, 135.7262



84.8909, 69.9220, 245.9357



112.3615, 69.9220, 37.1755

Rectangle

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



50.9087, 69.9220, 10.8131



33.8749, 69.9220, 47.6521



84.8909, 69.9220, 245.9357



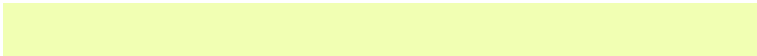
115.1837, 69.9220, 114.1655

Sweetspot

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



50.9103, 69.9252, 10.8146



80.1009, 93.4445, 56.1980



34.7949, 19.2159, 1.8761



16.7784, 19.8378, 10.8478



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.



50.9103, 69.9252, 10.8146



61.8087, 84.9486, 13.1391



32.2581, 60.3096, 9.9417



16.0647, 17.4789, 16.0458



28.7055, 39.3427, 6.0810



2.3245, 3.1256, 0.4808

Inverse Universe

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



15.8503, 6.4559, 78.2568



19.2163, 7.8213, 95.1046



29.3324, 13.4062, 78.8878



14.4895, 14.6821, 18.9925



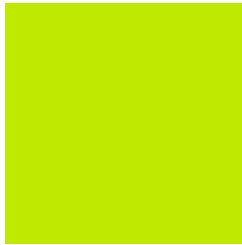
8.9818, 3.6662, 43.9772



0.7785, 0.3256, 3.4567

Previews

White Background



This preview shows how the XYZ color 50.9087, 69.9220, 10.8131 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 50.9087, 69.9220, 10.8131 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 50.9087, 69.9220, 10.8131

Background



This preview shows how black text looks on a background with the XYZ color 50.9087, 69.9220, 10.8131.

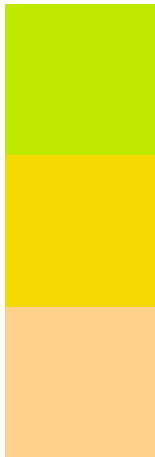


This preview shows how white text looks on a background with the XYZ color 50.9087, 69.9220,

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

50.9087, 69.9220, 10.8131

Protanopia

62.7276, 69.5553, 10.1194

Deuteranopia

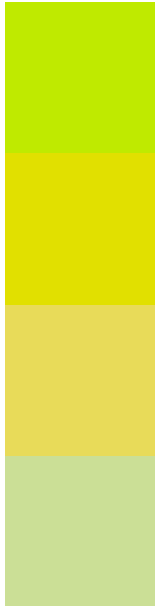
69.0202, 69.2466, 34.5391



Tritanopia

66.3866, 69.3255, 88.4795

Trichromacy



Original Color

50.9087, 69.9220, 10.8131

Protanomaly

57.7070, 69.3189, 10.3384

Deuteranomaly

60.4134, 68.5401, 19.4966

Tritanomaly

56.5213, 67.6739, 38.9375

Monochromacy



Original Color

50.9087, 69.9220, 10.8131

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

48.3679, 58.3684, 27.4559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9087, 69.9220, 10.8131 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(191, 234, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 234, 0)  
}
```

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(191, 234, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 234, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.9087, 69.9220, 10.8131 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(191, 234, 0) }
```


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

```
.border{ border-color:rgb(191, 234, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 234, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 234, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 234, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 234,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9087, 69.9220, 10.8131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 234, 0) }
```

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

```
.background{ background-color: rgb(191,  
234, 0) }
```

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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