

Converting Colors

XYZ(50.5166, 69.8609, 23.6540)

Have a look what the booklet for
XYZ(50.5166, 69.8609, 23.6540)
contains.

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Color

**XYZ(50.5166, 69.8609,
23.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	B2EB67
RGB	178, 235, 103
RGB Percent	70%, 92%, 40%
CMY	0.3020, 0.0784, 0.5961
CMYK	0.24, 0.00, 0.56, 0.08
HSL	86°, 77%, 66%
HSV	86°, 56%, 92%
XYZ	50.5166, 69.8609, 23.6540
YIQ	202.9090, 8.4000, -53.1360

Conversions

Conversions Part 2

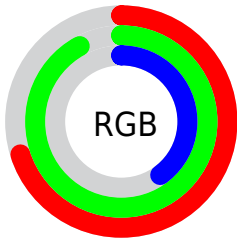
Format	Color
RYB	103, 235, 160
Decimal	11725671
CIELab	86.93, -38.65, 57.23
CIELCh	87, 69.059, 124.028
Yxy	69.8609, 0.3507, 0.4850
Android (android.graphics.Color)	4289915751 (0xFFB2EB67)
YUV	202.9090, -49.2551, -21.8452
Hunter-Lab	83.5828, -38.3864, 41.7289

Details

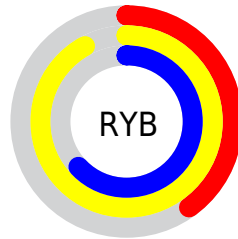
The XYZ color **50.5166, 69.8609, 23.6540** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **34.3459, 23.1743, 81.2641**, and the grayscale version is **57.0051, 59.9738, 65.3114**.

A 20% lighter version of the original color is **76.5236, 91.8215, 46.0378**, and **24.6796, 36.5912, 8.5584** is the 20% darker color. If you saturate the color by 10%, you get **47.2563, 68.3000, 18.1861**, and if you desaturate by 10%, it is **54.2841, 71.6493, 30.8784**.

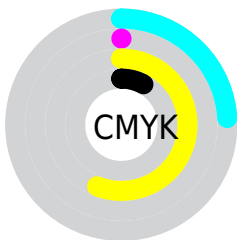
Distribution



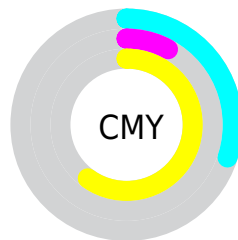
- Red (70%)
- Green (92%)
- Blue (40%)



- Red (40%)
- Yellow (92%)
- Blue (63%)



- Cyan (24%)
- Magenta (0%)
- Yellow (56%)
- Black (8%)





- Cyan (30%)
- Magenta (8%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5166, 69.8609, 23.6540 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 50.5166, 69.8609, 23.6540 by changing the saturation by 10% instead.


 50.5166, 69.8609,
23.6540


 50.5166, 69.8609,
23.6540


379.1014,
460.0614, 284.2965


 36.0435, 51.4131,
14.8673


 90.1271, 119.0104,
50.4017


 24.6381, 36.5375,
8.5807


 115.9952,
150.4809, 69.1999

 15.9349, 24.8496,
4.3757


 146.3923,
187.0611, 92.1722

 9.5687, 15.9650,
1.8336

 181.6839,
229.1354, 119.7374

 5.1740, 9.4994,
0.4500

222.2353,
277.0882, 152.3138

 2.3855, 5.0683,
0.0000

268.4117,

 0.8379, 2.2874,

331.3038, 190.3202

0.0000

320.5786,
392.1668, 234.1749

0.0000, 0.7670,
0.0000

0.0000, 0.0000,
0.0000

50.5166, 69.8609,
23.6540

50.5166, 69.8609,
23.6540

47.2563, 68.3000,
18.1861

54.2841, 71.6493,
30.8784

44.4658, 66.9442,
14.3197


58.5825, 73.6681,
39.9880


42.1095, 65.7810,
11.8802


63.4398, 75.9311,
51.1046


40.1421, 64.7920,
10.6489


68.8803, 78.4485,
64.3386

 39.4645, 64.4484,
10.3598

 74.9268, 81.2298,
79.7923

 81.6004, 84.2838,
97.5612

 86.8416, 86.7870,
106.7823

 88.9998, 87.8997,
106.8833

Harmonies

Analogous

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



64.2464, 69.8609, 17.4204



50.5166, 69.8609, 23.6540



42.2438, 69.8609, 43.4281

Triad

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



50.5166, 69.8609, 23.6540



53.7262, 69.8609, 187.0875



102.3827, 69.8609, 69.9978

Complementary

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



50.5166, 69.8609, 23.6540



34.3459, 23.1743, 81.2641

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.



98.3594, 69.8609, 121.9603



50.5166, 69.8609, 23.6540



68.6026, 69.8609, 203.4860

Square

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



50.5166, 69.8609, 23.6540



43.8755, 69.8609, 137.3675



85.3076, 69.8609, 175.9504



95.5561, 69.8609, 36.4089

Rectangle

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



50.5166, 69.8609, 23.6540



40.0895, 69.8609, 67.1964



85.3076, 69.8609, 175.9504



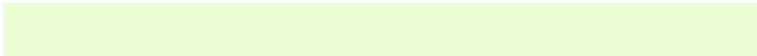
102.2604, 69.8609, 85.6851

Sweetspot

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



50.5183, 69.8640, 23.6555



82.2844, 94.1365, 75.8894



48.9387, 43.0977, 18.5723



17.3199, 20.0140, 15.5206



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.



50.5183, 69.8640, 23.6555



56.4732, 82.0125, 21.2719



39.0982, 63.9767, 23.1211



15.6875, 17.2844, 16.0281



22.1118, 35.9435, 5.7724



1.8462, 2.8791, 0.4584

Inverse Universe

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



34.3459, 23.1743, 81.2641



35.3192, 20.8462, 96.7699



50.5889, 31.5479, 82.0242



14.8482, 14.8670, 19.0093



11.5029, 4.9659, 44.0952



1.0116, 0.4458, 3.4676

Previews

White Background



This preview shows how the XYZ color 50.5166, 69.8609, 23.6540 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 50.5166, 69.8609, 23.6540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

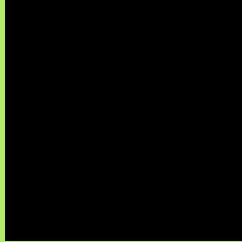
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5166, 69.8609, 23.6540

Background



This preview shows how black text looks on a background with the XYZ color 50.5166, 69.8609, 23.6540.



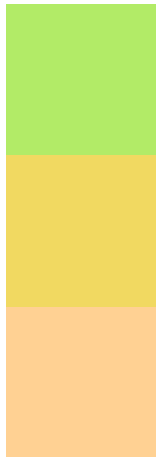
This preview shows how white text looks on a background with the XYZ color 50.5166, 69.8609,

23.6540.

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

50.5166, 69.8609, 23.6540

Protanopia

63.2462, 69.1895, 21.3308

Deuteranopia

69.3069, 68.9675, 37.2630



Tritanopia

64.0540, 69.6217, 90.9512

Trichromacy



Original Color

50.5166, 69.8609, 23.6540



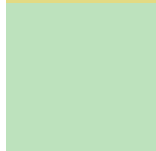
Protanomaly

57.8212, 69.1176, 22.0979



Deuteranomaly

60.8467, 68.1124, 31.4128



Tritanomaly

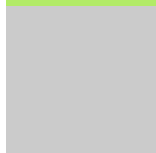
57.3679, 68.8857, 58.4168

Monochromacy



Original Color

50.5166, 69.8609, 23.6540



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.5236, 62.8602, 45.8715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5166, 69.8609, 23.6540 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(178, 235, 103)` looks like.

```
.text, #text, p{  
    color:rgb(178, 235, 103)  
}
```

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(178, 235, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 235, 103) }
```

Border

The CSS property to change the border of an element to XYZ 50.5166, 69.8609, 23.6540 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(178, 235, 103) }
```


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

```
.border{ border-color:rgb(178, 235, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 235, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 235, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 235, 103);  
box-shadow:4px 4px 4px 4px rgb(178, 235,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5166, 69.8609, 23.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 235, 103) }
```

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

```
.background{ background-color: rgb(178,  
235, 103) }
```

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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