

Converting Colors

XYZ(49.6567, 68.6059, 21.9343)

Have a look what the booklet for
XYZ(49.6567, 68.6059, 21.9343)
contains.

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Color

**XYZ(49.6567, 68.6059,
21.9343)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E961
RGB	178, 233, 97
RGB Percent	70%, 91%, 38%
CMY	0.3020, 0.0863, 0.6196
CMYK	0.24, 0.00, 0.58, 0.09
HSL	84°, 76%, 65%
HSV	84°, 58%, 91%
XYZ	49.6567, 68.6059, 21.9343
YIQ	201.0510, 10.8760, -53.9560

Conversions

Conversions Part 2

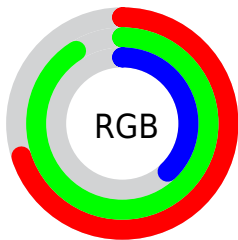
Format	Color
R _Y B	97, 233, 152
Decimal	11725153
CIE Lab	86.31, -38.28, 59.15
CIE LCh	86, 70.460, 122.911
Yxy	68.6059, 0.3542, 0.4894
Android (android.graphics.Color)	4289915233 (0xFFB2E961)
YUV	201.0510, -51.2971, -20.2157
Hunter-Lab	82.8287, -37.9375, 42.2792

Details

The XYZ color **49.6567, 68.6059, 21.9343** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.9344, 21.1099, 79.4862**, and the grayscale version is **55.8540, 58.7628, 63.9927**.

A 20% lighter version of the original color is **76.0196, 91.6199, 43.3835**, and **24.1484, 35.7420, 7.7240** is the 20% darker color. If you saturate the color by 10%, you get **46.6378, 67.1594, 16.9313**, and if you desaturate by 10%, it is **53.1464, 70.2626, 28.6272**.

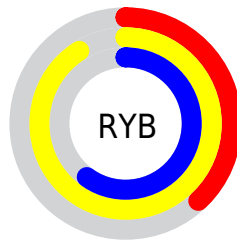
Distribution



Red (70%)

Green (91%)

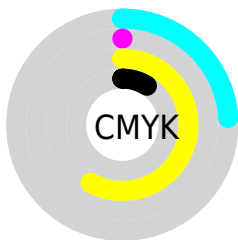
Blue (38%)



Red (38%)

Yellow (91%)

Blue (60%)

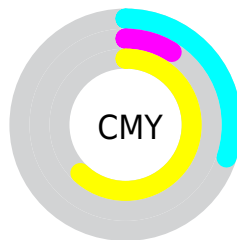


Cyan (24%)

Magenta (0%)

Yellow (58%)

Black (9%)



Cyan (30%)


Magenta (9%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6567, 68.6059, 21.9343 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 49.6567, 68.6059, 21.9343 by changing the saturation by 10% instead.


 49.6567, 68.6059,
21.9343

 49.6567, 68.6059,
21.9343


375.7961,
455.6398, 275.1453


 35.3574, 50.3908,
13.6108


 88.8609, 117.2185,
47.5382


 24.1061, 35.7240,
7.7148


 114.4965,
148.3848, 65.6556

 15.5375, 24.2211,
3.8279

 144.6415,
184.6370, 87.8748

 9.2862, 15.4977,
1.5314

 179.6614,
226.3595, 114.6142

 4.9870, 9.1695,
0.2411

219.9214,
273.9366, 146.2924

 2.2743, 4.8519,
0.0000

265.7870,

 0.7815, 2.1606,

327.7527, 183.3280

0.0000

317.6234,
388.1923, 226.1394

■ 0.0000, 0.6984,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6567, 68.6059,
21.9343

■ 49.6567, 68.6059,
21.9343

■ 46.6378, 67.1594,
16.9313

■ 53.1464, 70.2626,
28.6272

■ 44.0532, 65.9011,
13.4617


■ 57.1304, 72.1321,
37.1393


■ 41.8672, 64.8187,
11.3478

■ 61.6357, 74.2280,
47.5923


■ 40.0279, 63.8911,
10.3317


■ 66.6861, 76.5601,
60.0961

 39.7490, 63.7498,
10.2099

 72.3035, 79.1374,
74.7526

 78.5085, 81.9684,
91.6566

 84.4871, 84.7280,
106.5089

 87.8408, 86.4568,
106.6659

 88.4304, 86.7608,
106.6935

Harmonies

Analogous

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



63.6331, 68.6059, 16.2218



49.6567, 68.6059, 21.9343



41.1511, 68.6059, 40.9025

Triad

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



49.6567, 68.6059, 21.9343



51.9852, 68.6059, 186.0980



101.6699, 68.6059, 70.2451

Complementary

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



49.6567, 68.6059, 21.9343



31.9344, 21.1099, 79.4862

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.



97.1816, 68.6059, 123.3267



49.6567, 68.6059, 21.9343



66.8083, 68.6059, 204.5070

Square

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



49.6567, 68.6059, 21.9343



42.3302, 68.6059, 134.6574



83.7077, 68.6059, 177.8670



95.1250, 68.6059, 35.8550

Rectangle

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



49.6567, 68.6059, 21.9343



38.8486, 68.6059, 64.1891



83.7077, 68.6059, 177.8670



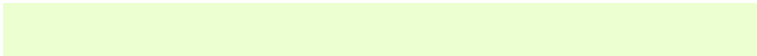
101.4032, 68.6059, 86.3002

Sweetspot

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



49.6583, 68.6089, 21.9358



82.0180, 94.0360, 74.2145



46.8957, 40.4513, 16.6464



17.1509, 19.9414, 14.8626



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.



49.6583, 68.6089, 21.9358



56.5643, 82.0923, 19.7931



37.8041, 62.4978, 21.3810



15.7286, 17.3056, 16.0301



22.6971, 36.2453, 5.7998



1.8906, 2.9020, 0.4605

Inverse Universe

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



31.9344, 21.1099, 79.4862



33.0076, 18.8188, 96.5004



48.3192, 29.5566, 80.2530



14.8080, 14.8463, 19.0074



11.1104, 4.7635, 44.0768



0.9787, 0.4288, 3.4661

Previews

White Background



This preview shows how the XYZ color 49.6567, 68.6059, 21.9343 looks on a white background.

Color Contrast Check

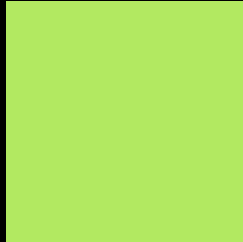
Large Text (above 18pt) WCAG AA × Fail

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 49.6567, 68.6059, 21.9343 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 49.6567, 68.6059, 21.9343

Background



This preview shows how black text looks on a background with the XYZ color 49.6567, 68.6059, 21.9343.

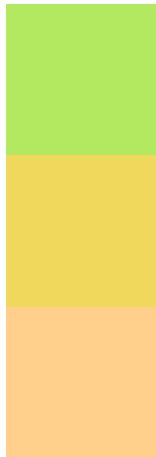


This preview shows how white text looks on a background with the XYZ color 49.6567, 68.6059,

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

49.6567, 68.6059, 21.9343

Protanopia

62.0842, 68.2352, 20.0237

Deuteranopia

68.2130, 67.7497, 33.9079



Tritanopia

63.2368, 68.4549, 89.2371

Trichromacy



Original Color

49.6567, 68.6059, 21.9343

Protanomaly

56.7569, 67.8024, 20.6854

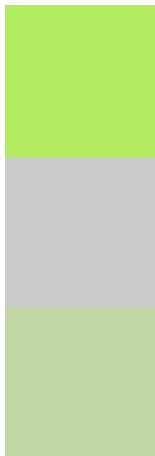
Deuteranomaly

59.8725, 66.8979, 28.8257

Tritanomaly

56.3989, 67.6329, 55.9809

Monochromacy



Original Color

49.6567, 68.6059, 21.9343

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

52.3974, 61.5703, 43.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6567, 68.6059, 21.9343 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, 233, 97)` looks like.

```
.text, #text, p{  
    color:rgb(178, 233, 97)  
}
```

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, 233, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 233, 97) }
```

Border

The CSS property to change the border of an element to XYZ 49.6567, 68.6059, 21.9343 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, 233, 97) }
```


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

```
.border{ border-color:rgb(178, 233, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 233, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 233, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 233, 97);  
box-shadow:4px 4px 4px 4px rgb(178, 233,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6567, 68.6059, 21.9343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 233, 97) }
```

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

```
.background{ background-color: rgb(178,  
233, 97) }
```

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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