

Converting Colors

XYZ(50.1602, 69.7076, 25.1746)

Have a look what the booklet for
XYZ(50.1602, 69.7076, 25.1746)
contains.

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Color

**XYZ(50.1478, 69.6347,
25.2658)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE6B6D
RGB	175, 235, 109
RGB Percent	69%, 92%, 43%
CMY	0.3137, 0.0784, 0.5725
CMYK	0.26, 0.00, 0.54, 0.08
HSL	89°, 76%, 67%
HSV	89°, 54%, 92%
XYZ	50.1478, 69.6347, 25.2658
YIQ	202.6960, 4.6860, -51.9060

Conversions

Conversions Part 2

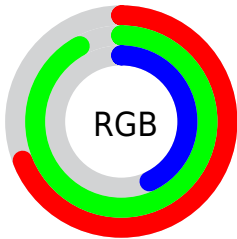
Format	Color
RYB	109, 235, 169
Decimal	11529069
CIELab	86.82, -39.15, 54.37
CIELCh	87, 67.001, 125.759
Yxy	69.6347, 0.3457, 0.4801
Android (android.graphics.Color)	4289719149 (0xFFAFEB6D)
YUV	202.6960, -46.1921, -24.2894
Hunter-Lab	83.4474, -38.7632, 40.4616

Details

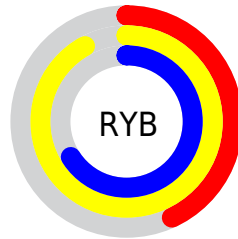
The XYZ color **50.1478, 69.6347, 25.2658** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.8293, 25.3725, 81.5574**, and the grayscale version is **56.8541, 59.8149, 65.1384**.

A 20% lighter version of the original color is **75.9751, 91.4880, 48.3050**, and **24.4174, 36.4380, 9.3607** is the 20% darker color. If you saturate the color by 10%, you get **46.6399, 67.9556, 19.3581**, and if you desaturate by 10%, it is **54.2055, 71.5625, 32.9671**.

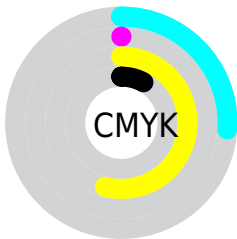
Distribution



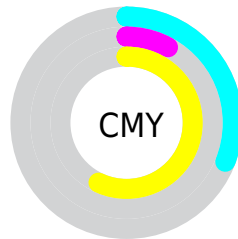
- Red (69%)
- Green (92%)
- Blue (43%)



- Red (43%)
- Yellow (92%)
- Blue (66%)



- Cyan (26%)
- Magenta (0%)
- Yellow (54%)
- Black (8%)




- Cyan (31%)
- Magenta (8%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1478, 69.6347, 25.2658 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 50.1478, 69.6347, 25.2658 by changing the saturation by 10% instead.


 50.1478, 69.6347,
25.2658


 50.1478, 69.6347,
25.2658


377.6861,
459.2663, 292.6490

 35.7491, 51.2288,
16.0544


 89.5843, 118.6877,
53.0576


 24.4097, 36.3907,
9.4079


 115.3529,
150.1035, 72.4750

 15.7642, 24.7361,
4.9077


 145.6422,
186.6248, 96.1315

 9.4472, 15.8806,
2.1354

 180.8175,
228.6359, 124.4456

 5.0935, 9.4397,
0.6367

221.2441,
276.5212, 157.8358

 2.3375, 5.0291,
0.0000

267.2876,

 0.8138, 2.2643,

330.6651, 196.7208

0.0000

319.3131,
391.4520, 241.5190

0.0000, 0.7547,
0.0000

0.0000, 0.0000,
0.0000

50.1478, 69.6347,
25.2658

50.1478, 69.6347,
25.2658

46.6399, 67.9556,
19.3581

54.2055, 71.5625,
32.9671

43.6440, 66.5025,
15.0938


58.8373, 73.7421,
42.5872


41.1248, 65.2629,
12.3060


64.0720, 76.1881,
54.2450


39.0378, 64.2184,
10.7899

69.9344, 78.9108,
68.0489

 37.8910, 63.6372,
10.2861

 76.4482, 81.9203,
84.0992

 83.6354, 85.2258,
102.4902

 88.3920, 87.5863,
106.8548

 88.9998, 87.8996,
106.8833

Harmonies

Analogous

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



63.2191, 69.6347, 18.4175



50.1478, 69.6347, 25.2658



42.4139, 69.6347, 45.7166

Triad

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



50.1478, 69.6347, 25.2658



54.6099, 69.6347, 184.3303



100.7707, 69.6347, 67.5171

Complementary

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



50.1478, 69.6347, 25.2658



36.8293, 25.3725, 81.5574

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.



97.5041, 69.6347, 116.8794



50.1478, 69.6347, 25.2658



69.2436, 69.6347, 197.5561

Square

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



50.1478, 69.6347, 25.2658



44.6923, 69.6347, 137.9727



85.3232, 69.6347, 169.1695



93.6561, 69.6347, 35.8606

Rectangle

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



50.1478, 69.6347, 25.2658



40.5360, 69.6347, 69.6382



85.3232, 69.6347, 169.1695



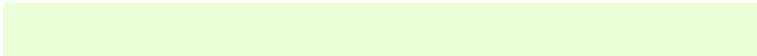
100.8624, 69.6347, 82.3580

Sweetspot

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



50.1495, 69.6377, 25.2673



82.3726, 94.1446, 77.5826



50.9897, 46.7003, 20.7956



17.3137, 20.0035, 15.8530



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.



50.1495, 69.6377, 25.2673



55.8783, 81.6692, 22.8981



39.3066, 64.0480, 24.7599



15.6212, 17.2503, 16.0250



21.2356, 35.4918, 5.7314



1.7785, 2.8442, 0.4552

Inverse Universe

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



36.8293, 25.3725, 81.5574



38.3339, 23.3324, 97.0909



53.3573, 33.8930, 82.3309



14.9136, 14.9007, 19.0123



12.2037, 5.3272, 44.1280



1.0687, 0.4752, 3.4703

Previews

White Background



This preview shows how the XYZ color 50.1478, 69.6347, 25.2658 looks on a white background.

Color Contrast Check

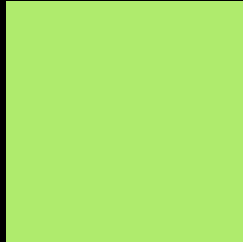
Large Text (above 18pt) WCAG AA × Fail

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 50.1478, 69.6347, 25.2658 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

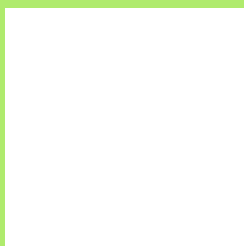
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1478, 69.6347, 25.2658

Background



This preview shows how black text looks on a background with the XYZ color 50.1478, 69.6347, 25.2658.



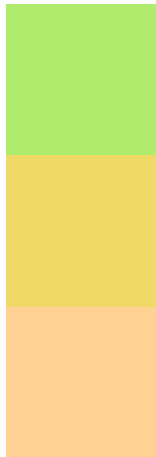
This preview shows how white text looks on a background with the XYZ color 50.1478, 69.6347,

25.2658.

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

50.1478, 69.6347, 25.2658

Protanopia

63.1962, 69.1302, 22.8446

Deuteranopia

69.3069, 68.9675, 37.2630



Tritanopia

63.4288, 69.2824, 91.6911

Trichromacy



Original Color

50.1478, 69.6347, 25.2658



Protanomaly

57.5244, 68.9302, 23.6376



Deuteranomaly

60.6691, 68.0050, 32.1190



Tritanomaly

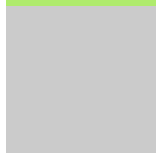
56.9605, 68.6376, 60.1154

Monochromacy



Original Color

50.1478, 69.6347, 25.2658



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.4542, 62.8029, 46.8410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1478, 69.6347, 25.2658 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(175, 235, 109)` looks like.

```
.text, #text, p{  
    color:rgb(175, 235, 109)  
}
```

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(175, 235, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 235, 109) }
```

Border

The CSS property to change the border of an element to XYZ 50.1478, 69.6347, 25.2658 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(175, 235, 109) }
```


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

```
.border{ border-color:rgb(175, 235, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 235, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 235, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 235, 109);  
box-shadow:4px 4px 4px 4px rgb(175, 235,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1478, 69.6347, 25.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 235, 109) }
```

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

```
.background{ background-color: rgb(175,  
235, 109) }
```

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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