

Converting Colors

XYZ(49.9748, 70.0064, 22.3768)

Have a look what the booklet for
XYZ(49.9748, 70.0064, 22.3768)
contains.

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Color

**XYZ(50.1046, 70.1029,
22.4457)**

Conversions

Conversions Part 1

Format	Color
Hex	B0EC62
RGB	176, 236, 98
RGB Percent	69%, 93%, 38%
CMY	0.3098, 0.0745, 0.6157
CMYK	0.25, 0.00, 0.58, 0.07
HSL	86°, 78%, 65%
HSV	86°, 58%, 93%
XYZ	50.1046, 70.1029, 22.4457
YIQ	202.3280, 8.5380, -55.6380

Conversions

Conversions Part 2

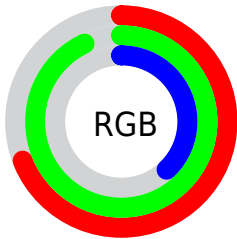
Format	Color
R_{YB}	98, 236, 158
Decimal	11594850
CIE _{Lab}	87.05, -40.26, 59.52
CIE _{LCh}	87, 71.859, 124.075
Yxy	70.1029, 0.3512, 0.4914
Android (android.graphics.Color)	4289784930 (0xFFB0EC62)
YUV	202.3280, -51.4337, -23.0897
Hunter-Lab	83.7275, -39.7042, 42.7147

Details

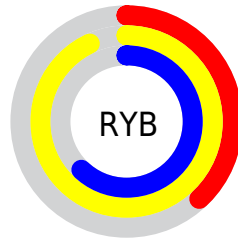
The XYZ color **50.1046, 70.1029, 22.4457** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **33.6115, 22.0626, 81.8479**, and the grayscale version is **56.6533, 59.6037, 64.9085**.

A 20% lighter version of the original color is **75.4415, 91.3123, 43.7858**, and **24.4849, 36.8028, 8.0036** is the 20% darker color. If you saturate the color by 10%, you get **46.9177, 68.5725, 17.3131**, and if you desaturate by 10%, it is **53.7988, 71.8613, 29.3193**.

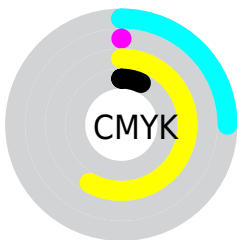
Distribution



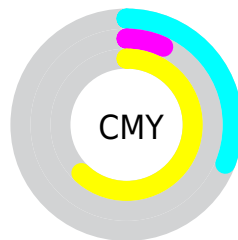
- Red (69%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (62%)



- Cyan (25%)
- Magenta (0%)
- Yellow (58%)
- Black (7%)





- Cyan (31%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1046, 70.1029, 22.4457 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 50.1046, 70.1029, 22.4457 by changing the saturation by 10% instead.


 50.1046, 70.1029,
22.4457

 50.1046, 70.1029,
22.4457


377.5201,
460.9112, 277.8941

 35.7147, 51.6104,
13.9833


 89.5207, 119.3555,
48.3931


 24.3830, 36.6946,
7.9704


 115.2776,
150.8844, 66.7153

 15.7442, 24.9712,
3.9885


 145.5542,
187.5276, 89.1611

 9.4330, 16.0556,
1.6191

 180.7159,
229.6694, 116.1491

 5.0841, 9.5635,
0.3044

221.1279,
277.6943, 148.0979

 2.3319, 5.1105,
0.0000

267.1557,

 0.8109, 2.3122,

331.9866, 185.4260

0.0000

319.1647,
392.9308, 228.5519

0.0000, 0.7802,
0.0000

0.0000, 0.0000,
0.0000

50.1046, 70.1029,
22.4457

50.1046, 70.1029,
22.4457

46.9177, 68.5725,
17.3131

53.7988, 71.8613,
29.3193

44.1993, 67.2470,
13.7597


58.0251, 73.8508,
38.0674


41.9120, 66.1133,
11.6014


62.8125, 76.0858,
48.8160


40.0007, 65.1488,
10.5702


68.1859, 78.5768,
61.6785

 39.7309, 65.0120,
10.4545

 74.1688, 81.3335,
76.7601

 80.7830, 84.3650,
94.1588

 86.6993, 87.1400,
106.8579

 89.2870, 88.4740,
106.9790

Harmonies

Analogous

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



64.3590, 70.1029, 16.2058



50.1046, 70.1029, 22.4457



41.5726, 70.1029, 42.5764

Triad

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



50.1046, 70.1029, 22.4457



53.4686, 70.1029, 193.5999



104.3736, 70.1029, 69.9361

Complementary

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



50.1046, 70.1029, 22.4457



33.6115, 22.0626, 81.8479

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.



100.1525, 70.1029, 124.4039



50.1046, 70.1029, 22.4457



68.9552, 70.1029, 210.9952

Square

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



50.1046, 70.1029, 22.4457



43.2733, 70.1029, 140.8682



86.4415, 70.1029, 181.6158



97.1673, 70.1029, 35.3098

Rectangle

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



50.1046, 70.1029, 22.4457



39.3629, 70.1029, 67.1631



86.4415, 70.1029, 181.6158



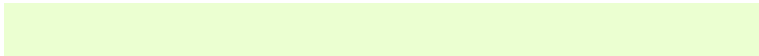
104.2509, 70.1029, 86.2956

Sweetspot

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



50.1063, 70.1060, 22.4472



81.5558, 93.7977, 74.1929



48.9922, 43.1028, 17.2938



17.0380, 19.8831, 14.8573



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.



50.1063, 70.1060, 22.4472



55.3013, 81.4412, 19.7340



38.2898, 64.0143, 21.8942



15.6830, 17.2821, 16.0279



22.0506, 35.9120, 5.7695



1.8415, 2.8767, 0.4582

Inverse Universe

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



33.6115, 22.0626, 81.8479



34.0173, 19.3394, 96.5477



51.1263, 31.0918, 82.6676



14.8525, 14.8692, 19.0095



11.5471, 4.9887, 44.0973



1.0152, 0.4477, 3.4678

Previews

White Background



This preview shows how the XYZ color 50.1046, 70.1029, 22.4457 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 50.1046, 70.1029, 22.4457 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 50.1046, 70.1029, 22.4457

Background



This preview shows how black text looks on a background with the XYZ color 50.1046, 70.1029, 22.4457.

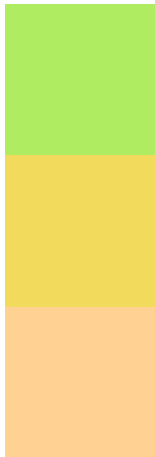


This preview shows how white text looks on a background with the XYZ color 50.1046, 70.1029,

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

50.1046, 70.1029, 22.4457

Protanopia

63.6211, 69.7928, 20.2434

Deuteranopia

69.5531, 69.4598, 37.3450



Tritanopia

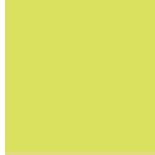
63.9421, 69.5470, 91.7152

Trichromacy



Original Color

50.1046, 70.1029, 22.4457



Protanomaly

57.8590, 69.5640, 20.9674



Deuteranomaly

60.6580, 68.4168, 30.7776



Tritanomaly

57.0125, 68.7149, 57.8354

Monochromacy



Original Color

50.1046, 70.1029, 22.4457



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.7397, 62.1109, 44.3309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1046, 70.1029, 22.4457 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(176, 236, 98)` looks like.

```
.text, #text, p{  
    color:rgb(176, 236, 98)  
}
```

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(176, 236, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 236, 98) }
```

Border

The CSS property to change the border of an element to XYZ 50.1046, 70.1029, 22.4457 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(176, 236, 98) }
```


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

```
.border{ border-color:rgb(176, 236, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 236, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 236, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 236, 98);  
box-shadow:4px 4px 4px 4px rgb(176, 236,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1046, 70.1029, 22.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 236, 98) }
```

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

```
.background{ background-color: rgb(176,  
236, 98) }
```

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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