

Converting Colors

XYZ(48.3721, 71.7791, 56.3648)

Have a look what the booklet for
XYZ(48.3721, 71.7791, 56.3648)
contains.

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Color

**XYZ(48.5057, 72.0422,
56.1488)**

Conversions

Conversions Part 1

Format	Color
Hex	77F4B7
RGB	119, 244, 183
RGB Percent	47%, 96%, 72%
CMY	0.5333, 0.0431, 0.2823
CMYK	0.51, 0.00, 0.25, 0.04
HSL	151°, 85%, 71%
HSV	151°, 51%, 96%
XYZ	48.5057, 72.0422, 56.1488
YIQ	199.6710, -54.9190, -45.4710

Conversions

Conversions Part 2

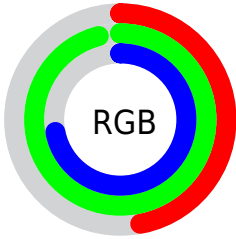
Format	Color
R _Y B	119, 202, 244
Decimal	7861431
CIE Lab	87.99, -48.66, 18.91
CIE LCh	88, 52.207, 158.765
Yxy	72.0422, 0.2745, 0.4077
Android (android.graphics.Color)	4286051511 (0xFF77F4B7)
YUV	199.6710, -8.2188, -70.7485
Hunter-Lab	84.8777, -46.5272, 20.1925

Details

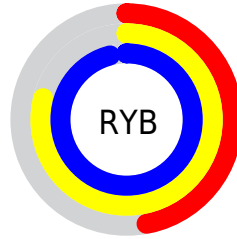
The XYZ color **48.5057, 72.0422, 56.1488** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.1457, 35.7237, 47.3297**, and the grayscale version is **54.7721, 57.6245, 62.7531**.

A 20% lighter version of the original color is **69.7001, 87.2170, 94.8223**, and **23.4305, 37.9931, 27.2176** is the 20% darker color. If you saturate the color by 10%, you get **44.3898, 70.0595, 49.7586**, and if you desaturate by 10%, it is **53.5898, 74.5157, 63.1349**.

Distribution



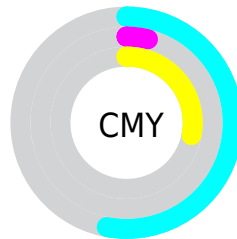
- Red (47%)
- Green (96%)
- Blue (72%)



- Red (47%)
- Yellow (79%)
- Blue (96%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (4%)





- Cyan (53%)
- Magenta (4%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5057, 72.0422, 56.1488 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 48.5057, 72.0422, 56.1488 by changing the saturation by 10% instead.


 48.5057, 72.0422,
56.1488


 48.5057, 72.0422,
56.1488


371.3424,
467.6885, 427.6561


 34.4404, 53.1932,
39.9174


 87.1620, 122.1165,
100.7101

 23.3967, 37.9570,
27.1609


 112.4838,
154.1106, 129.8771

 15.0090, 25.9493,
17.4606


 142.2884,
191.2551, 164.1930

 8.9120, 16.7857,
10.3980

176.9413,
233.9345, 204.0765

 4.7405, 10.0818,
5.5546

216.8078,
282.5331, 249.9460

 2.1290, 5.4532,
2.5118

262.2533,

 0.7049, 2.5156,

337.4354, 302.2200

0.8464

313.6430,
399.0257, 361.3172

■ 0.0000, 0.8844,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5057, 72.0422,
56.1488

■ 48.5057, 72.0422,
56.1488

■ 44.3898, 70.0595,
49.7586

■ 53.5898, 74.5157,
63.1349

■ 41.1666, 68.5233,
43.9426


■ 59.6989, 77.5034,
70.7278


■ 38.7582, 67.3956,
38.6846


■ 66.8920, 81.0372,
78.9445


■ 37.0692, 66.6276,
33.9657

■ 75.2219, 85.1440,
87.7997

 36.0490, 66.1828,
30.2523

 84.7378, 89.8490,
97.3073

 91.5533, 93.1485,
107.2970

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



54.5589, 72.0422, 36.2255



48.5057, 72.0422, 56.1488



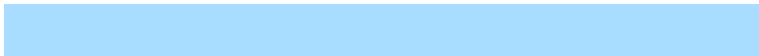
47.4447, 72.0422, 89.3540

Triad

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



48.5057, 72.0422, 56.1488



72.1851, 72.0422, 167.5239



88.8753, 72.0422, 42.8841

Complementary

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



48.5057, 72.0422, 56.1488



52.1457, 35.7237, 47.3297

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.



94.9474, 72.0422, 68.4561



48.5057, 72.0422, 56.1488



84.5741, 72.0422, 144.9191

Square

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



48.5057, 72.0422, 56.1488



60.1685, 72.0422, 161.2165



93.2847, 72.0422, 105.9695



77.5105, 72.0422, 30.3380

Rectangle

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



48.5057, 72.0422, 56.1488



49.5687, 72.0422, 116.2531



93.2847, 72.0422, 105.9695



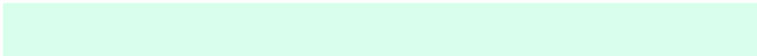
91.6621, 72.0422, 49.8715

Sweetspot

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



48.5076, 72.0451, 56.1504



79.4899, 92.3090, 93.2391



54.8563, 75.9207, 29.2167



16.5970, 19.5523, 19.5139



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.



48.5076, 72.0451, 56.1504



49.1007, 77.4564, 55.0582



56.2899, 75.1580, 97.1316



16.6364, 18.6137, 19.3694



19.6701, 36.0129, 16.8142



1.7807, 3.1860, 1.7513

Inverse Universe

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



52.1457, 35.7237, 47.3297



53.5179, 33.3785, 44.3652



47.2369, 33.7602, 21.4804



16.8362, 16.6173, 18.8838



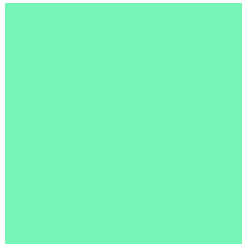
22.1677, 11.2105, 10.8576



2.0001, 1.0060, 1.2268

Previews

White Background



This preview shows how the XYZ color 48.5057, 72.0422, 56.1488 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 48.5057, 72.0422, 56.1488 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

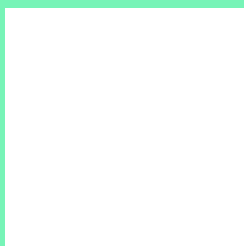
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5057, 72.0422, 56.1488

Background



This preview shows how black text looks on a background with the XYZ color 48.5057, 72.0422, 56.1488.

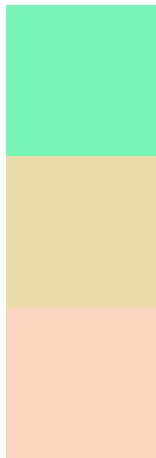


This preview shows how white text looks on a background with the XYZ color 48.5057, 72.0422,

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

48.5057, 72.0422, 56.1488

Protanopia

66.6139, 71.0957, 48.7400

Deuteranopia

72.3722, 70.8155, 58.5695



Tritanopia

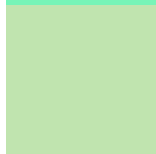
58.2452, 72.0614, 104.6053

Trichromacy



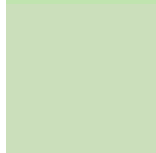
Original Color

48.5057, 72.0422, 56.1488



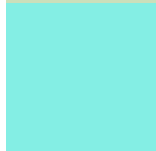
Protanomaly

57.2195, 69.7884, 51.0122



Deuteranomaly

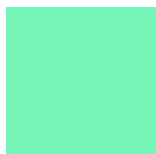
59.9859, 69.0597, 57.1820



Tritanomaly

54.0938, 71.6560, 84.3787

Monochromacy



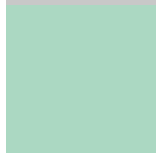
Original Color

48.5057, 72.0422, 56.1488



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.0881, 61.6647, 60.2488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5057, 72.0422, 56.1488 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(119, 244, 183)` looks like.

```
.text, #text, p{  
    color:rgb(119, 244, 183)  
}
```

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(119, 244, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 244, 183) }
```

Border

The CSS property to change the border of an element to XYZ 48.5057, 72.0422, 56.1488 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(119, 244, 183) }
```


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

```
.border{ border-color:rgb(119, 244, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 244, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 244, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 244, 183);  
box-shadow:4px 4px 4px 4px rgb(119, 244,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5057, 72.0422, 56.1488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 244, 183) }
```

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

```
.background{ background-color: rgb(119,  
244, 183) }
```

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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