

Converting Colors

XYZ(48.5409, 48.0823, 88.9270)

Have a look what the booklet for
XYZ(48.5409, 48.0823, 88.9270)
contains.

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Color

**XYZ(48.6046, 48.0720,
89.1552)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B6F0
RGB	168, 182, 240
RGB Percent	66%, 71%, 94%
CMY	0.3412, 0.2863, 0.0588
CMYK	0.30, 0.24, 0.00, 0.06
HSL	228°, 71%, 80%
HSV	228°, 30%, 94%
XYZ	48.6046, 48.0720, 89.1552
YIQ	184.4260, -26.9620, 15.0700

Conversions

Conversions Part 2

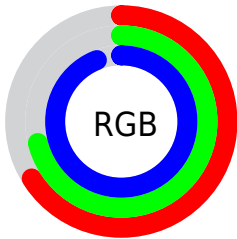
Format	Color
R _Y B	168, 180, 240
Decimal	11056880
CIE Lab	74.87, 8.15, -30.43
CIE LCh	75, 31.508, 284.999
Yxy	48.0720, 0.2616, 0.2587
Android (android.graphics.Color)	4289246960 (0xFFA8B6F0)
YUV	184.4260, 27.3980, -14.4056
Hunter-Lab	69.3340, 3.7979, -27.7061

Details

The XYZ color **48.6046, 48.0720, 89.1552** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.2004, 75.7460, 47.9679**, and the grayscale version is **45.6606, 48.0385, 52.3140**.

A 20% lighter version of the original color is **79.3650, 84.2164, 106.6801**, and **23.4414, 22.7386, 48.5009** is the 20% darker color. If you saturate the color by 10%, you get **40.2692, 38.2984, 87.7089**, and if you desaturate by 10%, it is **58.4327, 59.4287, 90.8301**.

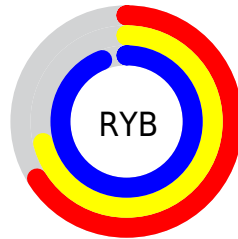
Distribution



Red (66%)

Green (71%)

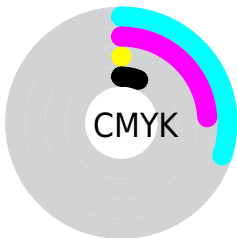
Blue (94%)



Red (66%)

Yellow (71%)

Blue (94%)

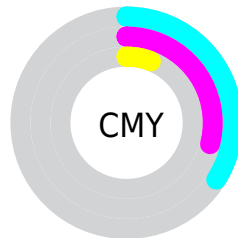


Cyan (30%)

Magenta (24%)

Yellow (0%)

Black (6%)



Cyan (34%)

Magenta (29%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6046, 48.0720, 89.1552 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 48.6046, 48.0720, 89.1552 by changing the saturation by 10% instead.

■ 48.6046, 48.0720,
89.1552

■ 48.6046, 48.0720,
89.1552

371.7265,
379.0774, 545.7779

■ 34.5192, 33.8839,
66.7104

■ 87.3082, 87.3116,
148.0896

■ 23.4575, 22.8044,
48.3892

112.6570,
113.1319, 185.4163

■ 15.0542, 14.4492,
33.7730

142.4911,
143.5984, 228.5408

■ 8.9440, 8.4337,
22.4433

177.1756,
179.0954, 277.8815

■ 4.7615, 4.3737,
13.9816

217.0761,
220.0075, 333.8571

■ 2.1413, 1.8847,
7.9693

262.5578,

■ 0.7115, 0.5392,

266.7189, 396.8859

3.9878

313.9862,
319.6141, 467.3867

■ 0.0000, 0.0000,
1.6187

■ 0.0000, 0.0000,
0.3041

■ 48.6046, 48.0720,
89.1552

■ 48.6046, 48.0720,
89.1552

■ 40.2692, 38.2984,
87.7089

■ 58.4327, 59.4287,
90.8301

■ 33.3477, 30.0309,
86.4779

■ 69.8177, 72.4296,
92.7395

■ 27.7607, 23.1946,
85.4528

■ 82.8258, 87.1393,
94.8931

■ 23.4191, 17.7053,
84.6221

■ 92.7283, 99.0713,
96.6743

■ 20.2225, 13.4700,
83.9731

■ 18.0536, 10.3825,
83.4914

■ 16.7318, 8.2982,
83.1588

■ 16.7317, 8.2980,
83.1588

Harmonies

Analogous

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



42.8959, 48.0720, 89.1549



48.6046, 48.0720, 89.1552



53.9399, 48.0720, 77.9988

Triad

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



48.6046, 48.0720, 89.1552



53.9401, 48.0720, 33.0372



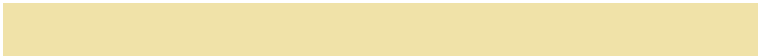
35.8462, 48.0720, 44.5865

Complementary

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



48.6046, 48.0720, 89.1552



70.2004, 75.7460, 47.9679

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.



38.3291, 48.0720, 33.0368



48.6046, 48.0720, 89.1552



48.6049, 48.0720, 27.3806

Square

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



48.6046, 48.0720, 89.1552



57.1911, 48.0720, 44.5872



42.8962, 48.0720, 27.3804



35.8462, 48.0720, 60.9480

Rectangle

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



48.6046, 48.0720, 89.1552



56.4308, 48.0720, 66.8553



42.8962, 48.0720, 27.3804



36.4084, 48.0720, 40.0980

Sweetspot

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



48.6062, 48.0739, 89.1563



81.4882, 84.6707, 106.6559



60.9824, 76.1152, 83.1428



17.0035, 17.6251, 22.7558



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.



48.6062, 48.0739, 89.1563



49.7294, 48.0960, 101.2702



50.8677, 45.1939, 88.4812



15.1460, 15.7262, 19.9588



9.2317, 4.6877, 45.5461



0.8349, 0.5238, 3.8113

Inverse Universe

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



58.3827, 49.9095, 50.8143



62.7184, 50.8637, 50.2554



67.2624, 80.1156, 48.9662



15.8984, 15.8091, 17.0212



19.9854, 10.2666, 2.5736



1.6964, 0.8676, 0.3919

Previews

White Background



This preview shows how the XYZ color 48.6046, 48.0720, 89.1552 looks on a white background.

Color Contrast Check

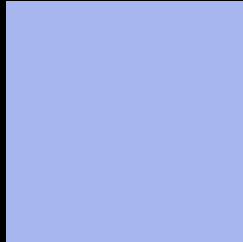
Large Text (above 18pt) WCAG AA × Fail

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 48.6046, 48.0720, 89.1552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

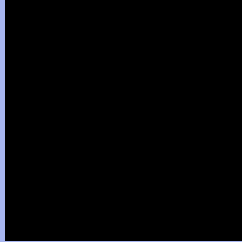
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6046, 48.0720, 89.1552

Background



This preview shows how black text looks on a background with the XYZ color 48.6046, 48.0720, 89.1552.



This preview shows how white text looks on a background with the XYZ color 48.6046, 48.0720,

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

48.6046, 48.0720, 89.1552

Protanopia

48.8183, 48.1822, 89.1652

Deuteranopia

49.2653, 48.1097, 89.1276



Tritanopia

43.5939, 48.2284, 64.1381

Trichromacy



Original Color

48.6046, 48.0720, 89.1552

Protanomaly

48.8183, 48.1822, 89.1652

Deuteranomaly

49.0466, 47.9969, 89.1174

Tritanomaly

45.1875, 47.9141, 72.5123

Monochromacy



Original Color

48.6046, 48.0720, 89.1552

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.1927, 47.6916, 63.8975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6046, 48.0720, 89.1552 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(168, 182, 240)` looks like.

```
.text, #text, p{  
    color:rgb(168, 182, 240)  
}
```

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(168, 182, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 182, 240) }
```

Border

The CSS property to change the border of an element to XYZ 48.6046, 48.0720, 89.1552 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(168, 182, 240) }
```


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

```
.border{ border-color:rgb(168, 182, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 182, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 182, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 182, 240); box-shadow:4px 4px 4px 4px rgb(168, 182, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6046, 48.0720, 89.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 182, 240) }
```

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

```
.background{ background-color: rgb(168,  
182, 240) }
```

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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