

Converting Colors

XYZ(46.6704, 72.8519, 66.2996)

Have a look what the booklet for
XYZ(46.6704, 72.8519, 66.2996)
contains.

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Color

**XYZ(46.5185, 72.6070,
66.2064)**

Conversions

Conversions Part 1

Format	Color
Hex	46F8C8
RGB	70, 248, 200
RGB Percent	27%, 97%, 78%
CMY	0.7255, 0.0274, 0.2157
CMYK	0.72, 0.00, 0.19, 0.03
HSL	164°, 93%, 62%
HSV	164°, 72%, 97%
XYZ	46.5185, 72.6070, 66.2064
YIQ	189.3060, -90.6800, -52.6640

Conversions

Conversions Part 2

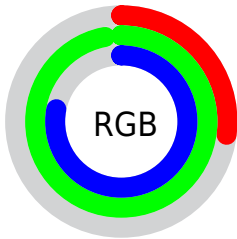
Format	Color
RYB	70, 173, 248
Decimal	4651208
CIELab	88.26, -55.36, 10.32
CIELCh	88, 56.317, 169.440
Yxy	72.6070, 0.2510, 0.3918
Android (android.graphics.Color)	4282841288 (0xFF46F8C8)
YUV	189.3060, 5.2721, -104.6314
Hunter-Lab	85.2097, -51.6687, 13.5796

Details

The XYZ color **46.5185, 72.6070, 66.2064** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.1740, 25.6466, 19.7644**, and the grayscale version is **48.5551, 51.0837, 55.6301**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **23.6018, 38.9022, 33.4591** is the 20% darker color. If you saturate the color by 10%, you get **44.3207, 71.5641, 62.1132**, and if you desaturate by 10%, it is **49.4926, 74.0497, 70.5176**.

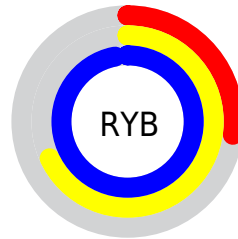
Distribution



Red (27%)

Green (97%)

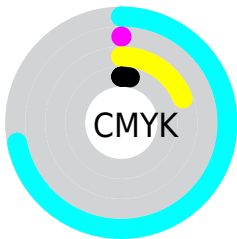
Blue (78%)



Red (27%)

Yellow (68%)

Blue (97%)

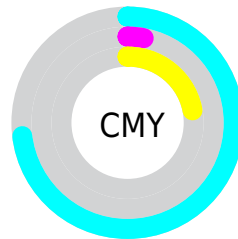


Cyan (72%)

Magenta (0%)

Yellow (19%)

Black (3%)



Cyan (73%)


Magenta (3%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5185, 72.6070, 66.2064 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 46.5185, 72.6070, 66.2064 by changing the saturation by 10% instead.


 46.5185, 72.6070,
66.2064

 46.5185, 72.6070,
66.2064


363.5704,
469.6516, 465.5390


 32.8615, 53.6547,
47.9824


 84.2176, 122.9191,
115.4123


 22.1791, 38.3256,
33.4531


 108.9904,
155.0477, 147.2314

 14.1059, 26.2355,
22.1998


 138.1992,
192.3372, 184.4192

 8.2766, 16.9999,
13.8041

 172.2093,
235.1720, 227.3944

 4.3257, 10.2344,
7.8473

211.3861,
283.9364, 276.5754

 1.8880, 5.5547,
3.9110

256.0950,

 0.5698, 2.5762,

339.0149, 332.3808

1.5767

306.7013,
400.7918, 395.2292

■ 0.0000, 0.9147,
0.2741

■ 0.0000, 0.0000,
0.0000

■ 46.5185, 72.6070,
66.2064

■ 46.5185, 72.6070,
66.2064

■ 44.3207, 71.5641,
62.1132

■ 49.4926, 74.0497,
70.5176


■ 42.7951, 70.8621,
58.2262


■ 53.3184, 75.9257,
75.0478


■ 41.9217, 70.4785,
55.1763


■ 58.0688, 78.2742,
79.8042


■ 63.8069, 81.1279,
84.7919

 70.5904, 84.5163,
90.0156

 78.4724, 88.4669,
95.4799

 87.5022, 93.0049,
101.1892

 92.6192, 95.5215,
106.9086

 92.8586, 95.6173,
108.1695

Harmonies

Analogous

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



51.1169, 72.6070, 39.9155



46.5185, 72.6070, 66.2064



47.3224, 72.6070, 106.4549

Triad

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



46.5185, 72.6070, 66.2064



78.0109, 72.6070, 171.8634



87.2932, 72.6070, 34.9762

Complementary

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



46.5185, 72.6070, 66.2064



44.1740, 25.6466, 19.7644

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.



96.4815, 72.6070, 56.8157



46.5185, 72.6070, 66.2064



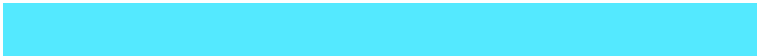
90.6579, 72.6070, 137.8833

Square

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



46.5185, 72.6070, 66.2064



64.3644, 72.6070, 176.9089



97.7873, 72.6070, 93.4706



73.8755, 72.6070, 26.1987

Rectangle

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



46.5185, 72.6070, 66.2064



50.8505, 72.6070, 136.2778



97.7873, 72.6070, 93.4706



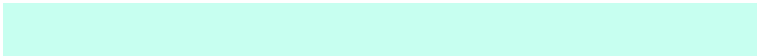
91.0494, 72.6070, 40.6249

Sweetspot

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



46.5205, 72.6098, 66.2081



74.9957, 89.9320, 95.7436



42.4812, 71.6041, 17.3775



15.6096, 19.0278, 20.1646



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.



46.5205, 72.6098, 66.2081



46.4249, 75.8688, 64.3381



42.3783, 53.8961, 96.9796



17.5543, 19.5240, 21.1196



22.7069, 38.0958, 30.1298



2.1473, 3.5460, 3.0233

Inverse Universe

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



44.1740, 25.6466, 19.7644



43.9201, 23.3270, 12.9762



45.2417, 31.2459, 9.4421



17.4368, 17.3021, 18.8902



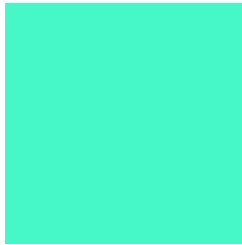
21.5070, 11.0185, 4.1123



2.0341, 1.0374, 0.6032

Previews

White Background



This preview shows how the XYZ color 46.5185, 72.6070, 66.2064 looks on a white background.

Color Contrast Check

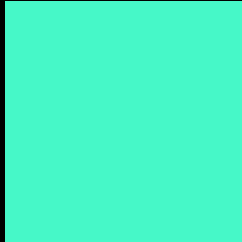
Large Text (above 18pt) WCAG AA × Fail

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 46.5185, 72.6070, 66.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

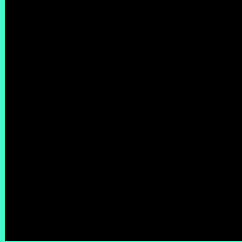
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

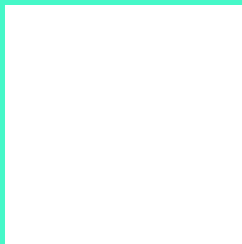
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5185, 72.6070, 66.2064

Background



This preview shows how black text looks on a background with the XYZ color 46.5185, 72.6070, 66.2064.



This preview shows how white text looks on a background with the XYZ color 46.5185, 72.6070,

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

46.5185, 72.6070, 66.2064

Protanopia

67.0435, 71.1547, 56.0996

Deuteranopia

72.5848, 71.0535, 69.5636



Tritanopia

56.5097, 72.4340, 105.6105

Trichromacy



Original Color

46.5185, 72.6070, 66.2064



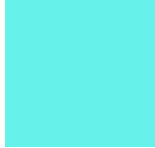
Protanomaly

54.6043, 69.0820, 59.1714



Deuteranomaly

57.0007, 68.0820, 67.8945



Tritanomaly

52.2270, 72.3272, 89.8052

Monochromacy



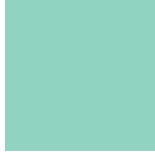
Original Color

46.5185, 72.6070, 66.2064



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.5263, 56.0544, 58.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5185, 72.6070, 66.2064 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(70, 248, 200)` looks like.

```
.text, #text, p{  
    color:rgb(70, 248, 200)  
}
```

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(70, 248, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 248, 200) }
```

Border

The CSS property to change the border of an element to XYZ 46.5185, 72.6070, 66.2064 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(70, 248, 200) }
```


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

```
.border{ border-color:rgb(70, 248, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 248, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 248, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 248, 200);  
box-shadow:4px 4px 4px 4px rgb(70, 248,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5185, 72.6070, 66.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 248, 200) }
```

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

```
.background{ background-color: rgb(70, 248,  
200) }
```

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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