

Converting Colors

XYZ(37.3866, 45.9493, 64.6570)

Have a look what the booklet for
XYZ(37.3866, 45.9493, 64.6570)
contains.

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Color

**XYZ(37.4768, 46.0290,
64.6669)**

Conversions

Conversions Part 1

Format	Color
Hex	77C0CD
RGB	119, 192, 205
RGB Percent	47%, 75%, 80%
CMY	0.5333, 0.2470, 0.1961
CMYK	0.42, 0.06, 0.00, 0.20
HSL	189°, 46%, 64%
HSV	189°, 42%, 80%
XYZ	37.4768, 46.0290, 64.6669
YIQ	171.6550, -47.6810, -11.4330

Conversions

Conversions Part 2

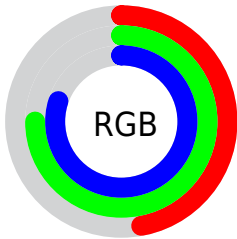
Format	Color
RYB	119, 158, 205
Decimal	7848141
CIELab	73.56, -19.41, -13.69
CIELCh	74, 23.753, 215.202
Yxy	46.0290, 0.2529, 0.3106
Android (android.graphics.Color)	4286038221 (0xFF77C0CD)
YUV	171.6550, 16.4391, -46.1784
Hunter-Lab	67.8447, -20.1264, -9.0216

Details

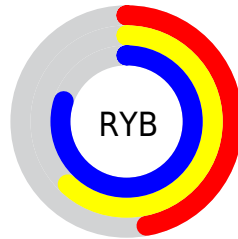
The XYZ color **37.4768, 46.0290, 64.6669** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7586, 30.8142, 21.4642**, and the grayscale version is **38.9764, 41.0062, 44.6558**.

A 20% lighter version of the original color is **69.6049, 84.0853, 107.1693**, and **16.7243, 21.4681, 32.5404** is the 20% darker color. If you saturate the color by 10%, you get **34.2882, 43.3869, 64.3258**, and if you desaturate by 10%, it is **41.2893, 49.0161, 65.0433**.

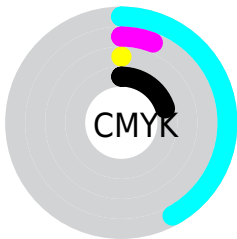
Distribution



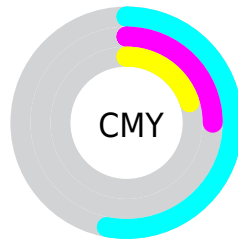
- Red (47%)
- Green (75%)
- Blue (80%)



- Red (47%)
- Yellow (62%)
- Blue (80%)



- Cyan (42%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4768, 46.0290, 64.6669 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 37.4768, 46.0290, 64.6669 by changing the saturation by 10% instead.

■ 37.4768, 46.0290,
64.6669

■ 37.4768, 46.0290,
64.6669

326.6900,
370.9252, 459.8674

■ 25.7522, 32.2687,
46.7414

■ 70.6146, 84.2624,
113.1795

■ 16.7701, 21.5668,
32.4784

■ 92.7585, 109.5043,
144.6037

■ 10.1650, 13.5390,
21.4593

■ 119.1063,
139.3422, 181.3646

■ 5.5716, 7.8007,
13.2657

150.0232,
174.1604, 223.8806

■ 2.6245, 3.9677,
7.4789

185.8747,
214.3435, 272.5703

■ 0.9585, 1.6555,
3.6804

227.0261,

■ 0.0000, 0.3946,

260.2757, 327.8524

1.4517

273.8428,
312.3415, 390.1452

■ 0.0000, 0.0000,
0.1816

■ 0.0000, 0.0000,
0.0000

■ 37.4768, 46.0290,
64.6669

■ 37.4768, 46.0290,
64.6669

■ 34.2882, 43.3869,
64.3258

■ 41.2893, 49.0161,
65.0433

■ 31.6799, 41.0640,
64.0149

■ 45.7574, 52.3616,
65.4536

■ 29.6091, 39.0392,
63.7332

■ 50.9159, 56.0844,
65.9003

■ 28.0252, 37.2863,
63.4784

■ 56.7954, 60.2007,
66.3849

■ 26.8677, 35.7740,
63.2475

■ 63.4252, 64.7254,
66.9088

■ 26.1589, 34.6865,
63.0749

■ 70.8325, 69.6729,
67.4734

■ 76.2284, 73.6055,
67.9481

■ 77.0186, 75.1858,
68.2115

■ 77.8238, 76.7962,
68.4798

Harmonies

Analogous

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



36.1898, 46.0290, 52.2441



37.4768, 46.0290, 64.6669



40.4489, 46.0290, 74.1806

Triad

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



37.4768, 46.0290, 64.6669



51.4970, 46.0290, 60.4570



43.0211, 46.0290, 30.4338

Complementary

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



37.4768, 46.0290, 64.6669



36.7586, 30.8142, 21.4642

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.



47.2243, 46.0290, 31.9182



37.4768, 46.0290, 64.6669



52.2941, 46.0290, 48.0499

Square

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



37.4768, 46.0290, 64.6669



48.5714, 46.0290, 71.4903



50.6851, 46.0290, 37.9330



39.2572, 46.0290, 33.4957

Rectangle

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



37.4768, 46.0290, 64.6669



43.0772, 46.0290, 76.8770



50.6851, 46.0290, 37.9330



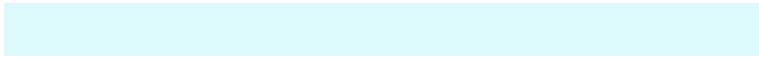
44.4281, 46.0290, 30.4236

Sweetspot

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



37.4782, 46.0308, 64.6680



82.3107, 91.0907, 107.8518



33.5981, 49.2488, 29.5302



17.1989, 19.1974, 23.0489



0.0000, 0.0000, 0.0000



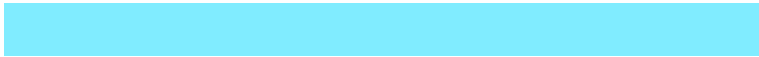
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.4782, 46.0308, 64.6680



56.7946, 71.6057, 105.4356



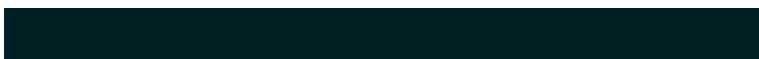
29.3915, 29.8574, 61.9724



11.3932, 12.4269, 14.3685



16.3404, 21.7049, 39.2845



0.8831, 1.2000, 2.0400

Inverse Universe

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



41.2892, 29.9797, 53.4816



63.9951, 42.6086, 84.0022



43.8181, 44.9331, 23.8173



11.6118, 11.3735, 13.7565



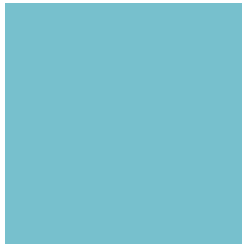
20.4588, 9.9941, 25.9325



1.0757, 0.5237, 1.4445

Previews

White Background



This preview shows how the XYZ color 37.4768, 46.0290, 64.6669 looks on a white background.

Color Contrast Check

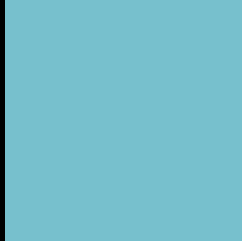
Large Text (above 18pt) WCAG AA × Fail

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 37.4768, 46.0290, 64.6669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

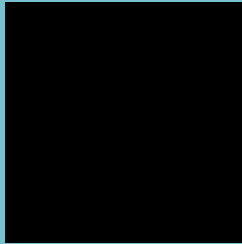
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4768, 46.0290, 64.6669

Background



This preview shows how black text looks on a background with the XYZ color 37.4768, 46.0290, 64.6669.



This preview shows how white text looks on a background with the XYZ color 37.4768, 46.0290,

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

37.4768, 46.0290, 64.6669

Protanopia

44.5582, 45.7364, 59.3029

Deuteranopia

46.6058, 45.4537, 66.6387



Tritanopia

37.8579, 46.1973, 65.9531

Trichromacy



Original Color

37.4768, 46.0290, 64.6669

Protanomaly

41.4704, 45.6192, 61.2632

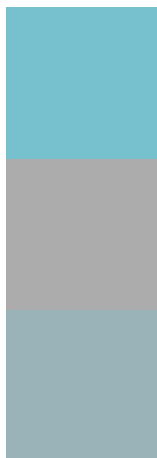
Deuteranomaly

42.4062, 45.0754, 66.1399

Tritanomaly

37.7359, 46.1486, 65.3112

Monochromacy



Original Color

37.4768, 46.0290, 64.6669

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9087, 42.4732, 51.5475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4768, 46.0290, 64.6669 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, 192, 205)` looks like.

```
.text, #text, p{  
    color:rgb(119, 192, 205)  
}
```

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, 192, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 192, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.4768, 46.0290, 64.6669 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, 192, 205) }
```


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

```
.border{ border-color:rgb(119, 192, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 192, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 192, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 192, 205);  
box-shadow:4px 4px 4px 4px rgb(119, 192,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4768, 46.0290, 64.6669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 192, 205) }
```

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

```
.background{ background-color: rgb(119,  
192, 205) }
```

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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