

Converting Colors

XYZ(36.7363, 47.1544, 69.2216)

Have a look what the booklet for
XYZ(36.7363, 47.1544, 69.2216)
contains.

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Color

**XYZ(36.7797, 47.2274,
69.4647)**

Conversions

Conversions Part 1

Format	Color
Hex	61C5D4
RGB	97, 197, 212
RGB Percent	38%, 77%, 83%
CMY	0.6196, 0.2274, 0.1686
CMYK	0.54, 0.07, 0.00, 0.17
HSL	188°, 57%, 61%
HSV	188°, 54%, 83%
XYZ	36.7797, 47.2274, 69.4647
YIQ	168.8100, -64.4150, -16.5350

Conversions

Conversions Part 2

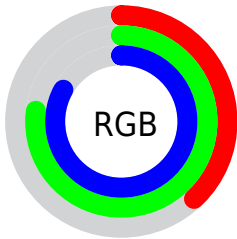
Format	Color
R_{YB}	97, 150, 212
Decimal	6407636
CIE _{Lab}	74.33, -25.02, -16.42
CIE _{LCh}	74, 29.927, 213.282
Yxy	47.2274, 0.2397, 0.3077
Android (android.graphics.Color)	4284597716 (0xFF61C5D4)
YUV	168.8100, 21.2927, -62.9774
Hunter-Lab	68.7222, -24.7317, -11.8251

Details

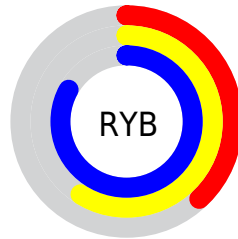
The XYZ color **36.7797, 47.2274, 69.4647** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.1042, 26.4495, 14.5657**, and the grayscale version is **37.5405, 39.4956, 43.0107**.

A 20% lighter version of the original color is **67.2021, 85.1715, 107.5056**, and **16.3343, 22.2989, 35.3415** is the 20% darker color. If you saturate the color by 10%, you get **34.1937, 44.9718, 69.1665**, and if you desaturate by 10%, it is **39.9836, 49.8208, 69.7973**.

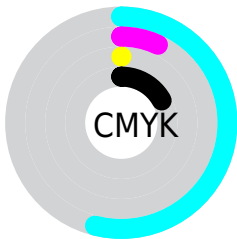
Distribution



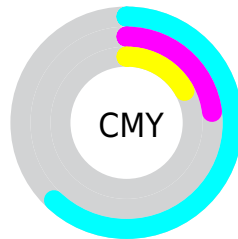
- Red (38%)
- Green (77%)
- Blue (83%)



- Red (38%)
- Yellow (59%)
- Blue (83%)



- Cyan (54%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (62%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7797, 47.2274, 69.4647 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 36.7797, 47.2274, 69.4647 by changing the saturation by 10% instead.

■ 36.7797, 47.2274,
69.4647

■ 36.7797, 47.2274,
69.4647

323.7279,
375.7215, 477.4065

■ 25.2099, 33.2155,
50.6161

■ 69.5499, 86.0530,
120.1190

■ 16.3630, 22.2916,
35.5286

■ 91.4809, 111.6354,
152.7618

■ 9.8739, 14.0713,
23.7835

■ 117.5964,
141.8434, 190.8399

■ 5.3770, 8.1703,
14.9624

■ 148.2617,
177.0614, 234.7716

■ 2.5072, 4.2041,
8.6467

183.8421,
217.6738, 284.9756

■ 0.8989, 1.7884,
4.4178

224.7030,

■ 0.0000, 0.4799,

264.0651, 341.8704

1.8572

271.2098,
316.6195, 405.8745

■ 0.0000, 0.0000,
0.4653

■ 0.0000, 0.0000,
0.0000

■ 36.7797, 47.2274,
69.4647

■ 36.7797, 47.2274,
69.4647

■ 34.1937, 44.9718,
69.1665

■ 39.9836, 49.8208,
69.7973

■ 32.1720, 43.0230,
68.8969

■ 43.8450, 52.7692,
70.1628

■ 30.6590, 41.3534,
68.6544

■ 48.4052, 56.0952,
70.5645

■ 29.5853, 39.9271,
68.4356

■ 53.7007, 59.8176,
71.0039

■ 29.0974, 39.1807,
68.3173

■ 59.7657, 63.9541,
71.4826

■ 66.6320, 68.5212,
72.0023

■ 74.3297, 73.5346,
72.5643

■ 78.4875, 76.7408,
72.9640

■ 79.2154, 78.1967,
73.2066

Harmonies

Analogous

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



35.3276, 47.2274, 53.1385



36.7797, 47.2274, 69.4647



40.3937, 47.2274, 82.7044

Triad

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



36.7797, 47.2274, 69.4647



54.7826, 47.2274, 65.9342



44.2982, 47.2274, 27.1430

Complementary

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



36.7797, 47.2274, 69.4647



35.1042, 26.4495, 14.5657

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.



49.7043, 47.2274, 29.2296



36.7797, 47.2274, 69.4647



56.0347, 47.2274, 49.7441

Square

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



36.7797, 47.2274, 69.4647



50.8110, 47.2274, 80.3966



54.1087, 47.2274, 36.8109



39.4446, 47.2274, 30.4097

Rectangle

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



36.7797, 47.2274, 69.4647



43.6883, 47.2274, 86.8365



54.1087, 47.2274, 36.8109



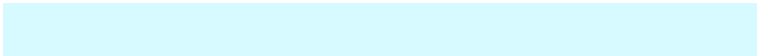
46.1099, 47.2274, 27.2443

Sweetspot

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



36.7812, 47.2292, 69.4658



79.9258, 89.7180, 107.7125



31.3116, 50.7643, 23.0207



16.7390, 18.9460, 23.0247



0.0000, 0.0000, 0.0000



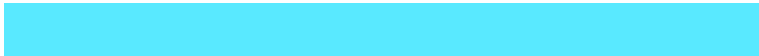
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7812, 47.2292, 69.4658



51.4411, 67.8508, 104.9930



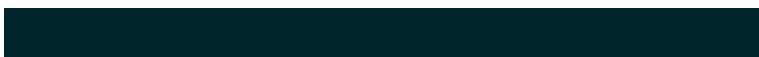
26.3519, 26.3707, 65.9894



12.6476, 13.8186, 15.9382



18.0155, 24.2928, 42.1926



1.1259, 1.5439, 2.5580

Inverse Universe

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



41.5054, 26.5790, 55.7680



59.5959, 34.3515, 80.8670



43.2975, 42.8360, 17.2967



12.8801, 12.6035, 15.3087



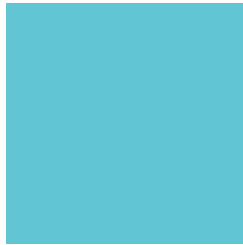
22.1522, 10.7972, 29.1695



1.3560, 0.6592, 1.8639

Previews

White Background



This preview shows how the XYZ color 36.7797, 47.2274, 69.4647 looks on a white background.

Color Contrast Check

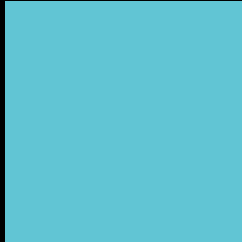
Large Text (above 18pt) WCAG AA × Fail

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 36.7797, 47.2274, 69.4647 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

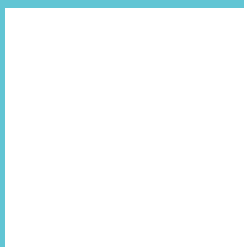
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7797, 47.2274, 69.4647

Background



This preview shows how black text looks on a background with the XYZ color 36.7797, 47.2274, 69.4647.



This preview shows how white text looks on a background with the XYZ color 36.7797, 47.2274,

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

36.7797, 47.2274, 69.4647

Protanopia

45.4543, 46.4433, 61.8271

Deuteranopia

47.6065, 46.7437, 71.4791



Tritanopia

36.9063, 47.2780, 70.1312

Trichromacy



Original Color

36.7797, 47.2274, 69.4647

Protanomaly

40.9728, 45.9152, 64.4606

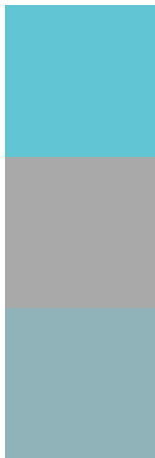
Deuteranomaly

42.3772, 46.1835, 70.9708

Tritanomaly

36.9063, 47.2780, 70.1312

Monochromacy



Original Color

36.7797, 47.2274, 69.4647

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.2047, 41.5826, 52.0170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7797, 47.2274, 69.4647 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(97, 197, 212)` looks like.

```
.text, #text, p{  
    color:rgb(97, 197, 212)  
}
```

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(97, 197, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 197, 212) }
```

Border

The CSS property to change the border of an element to XYZ 36.7797, 47.2274, 69.4647 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(97, 197, 212) }
```


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

```
.border{ border-color:rgb(97, 197, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 197, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 197, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 197, 212);  
box-shadow:4px 4px 4px 4px rgb(97, 197,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7797, 47.2274, 69.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 197, 212) }
```

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

```
.background{ background-color: rgb(97, 197,  
212) }
```

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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