

Converting Colors

XYZ(37.0929, 47.0850, 76.4669)

Have a look what the booklet for
XYZ(37.0929, 47.0850, 76.4669)
contains.

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Color

**XYZ(37.1756, 47.2811,
76.2741)**

Conversions

Conversions Part 1

Format	Color
Hex	58C5DE
RGB	88, 197, 222
RGB Percent	35%, 77%, 87%
CMY	0.6549, 0.2274, 0.1294
CMYK	0.60, 0.11, 0.00, 0.13
HSL	191°, 67%, 61%
HSV	191°, 60%, 87%
XYZ	37.1756, 47.2811, 76.2741
YIQ	167.2590, -72.9890, -15.3330

Conversions

Conversions Part 2

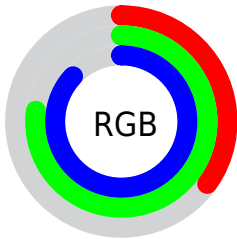
Format	Color
R _Y B	88, 148, 222
Decimal	5817822
CIE Lab	74.37, -23.86, -21.82
CIE LCh	74, 32.332, 222.433
Yxy	47.2811, 0.2313, 0.2942
Android (android.graphics.Color)	4284007902 (0xFF58C5DE)
YUV	167.2590, 26.9873, -69.5101
Hunter-Lab	68.7613, -23.8266, -17.6351

Details

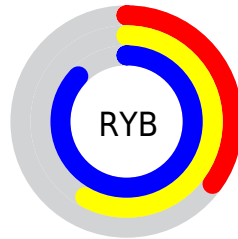
The XYZ color **37.1756, 47.2811, 76.2741** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.7922, 28.0461, 12.6557**, and the grayscale version is **36.7565, 38.6707, 42.1123**.

A 20% lighter version of the original color is **65.8862, 84.4932, 107.4440**, and **16.7975, 22.4349, 40.0043** is the 20% darker color. If you saturate the color by 10%, you get **34.4581, 44.5041, 75.8822**, and if you desaturate by 10%, it is **40.5616, 50.4431, 76.7068**.

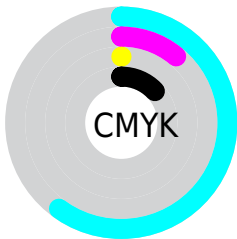
Distribution



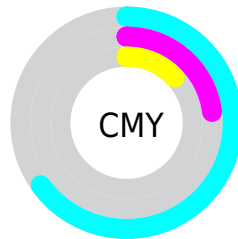
- Red (35%)
- Green (77%)
- Blue (87%)



- Red (35%)
- Yellow (58%)
- Blue (87%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (13%)



- Cyan (65%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1756, 47.2811, 76.2741 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 37.1756, 47.2811, 76.2741 by changing the saturation by 10% instead.

■ 37.1756, 47.2811,
76.2741

■ 37.1756, 47.2811,
76.2741

■ 325.4125,
375.9355, 501.6573

■ 25.5178, 33.2579,
56.1493

■ 70.1549, 86.1331,
129.8779

■ 16.5940, 22.3241,
39.9178

■ 92.2070, 111.7306,
164.1940

■ 10.0390, 14.0952,
27.1612

■ 118.4546,
141.9552, 204.0776

■ 5.4873, 8.1869,
17.4608

■ 149.2631,
177.1910, 249.9473

■ 2.5736, 4.2148,
10.3982

■ 184.9978,
217.8225, 302.2215

■ 0.9325, 1.7944,
5.5547

■ 226.0240,

■ 0.0000, 0.4837,

264.2342, 361.3189

2.5119

272.7071,
316.8104, 427.6580

■ 0.0000, 0.0000,
0.8464

■ 0.0000, 0.0000,
0.0000

■ 37.1756, 47.2811,
76.2741

■ 37.1756, 47.2811,
76.2741

■ 34.4581, 44.5041,
75.8822

■ 40.5616, 50.4431,
76.7068

■ 32.3442, 42.0753,
75.5248

■ 44.6645, 54.0122,
77.1795

■ 30.7637, 39.9593,
75.1997

■ 49.5331, 58.0151,
77.6955

■ 29.6243, 38.1527,
74.9110

■ 55.2106, 62.4743,
78.2570

■ 61.7371, 67.4106,
78.8658

■ 69.1496, 72.8436,
79.5238

■ 77.4833, 78.7915,
80.2326

■ 82.7599, 83.2039,
80.8062

■ 83.9272, 85.5384,
81.1953

Harmonies

Analogous

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



34.8731, 47.2811, 58.6939



37.1756, 47.2811, 76.2741



41.6456, 47.2811, 88.4783

Triad

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



37.1756, 47.2811, 76.2741



56.4744, 47.2811, 61.7726



42.5728, 47.2811, 26.0978

Complementary

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



37.1756, 47.2811, 76.2741



37.7922, 28.0461, 12.6557

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.



48.4021, 47.2811, 26.5730



37.1756, 47.2811, 76.2741



56.7770, 47.2811, 44.8848

Square

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



37.1756, 47.2811, 76.2741



52.9205, 47.2811, 78.9429



53.7149, 47.2811, 32.7434



37.8037, 47.2811, 31.2648

Rectangle

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



37.1756, 47.2811, 76.2741



45.4160, 47.2811, 90.5981



53.7149, 47.2811, 32.7434



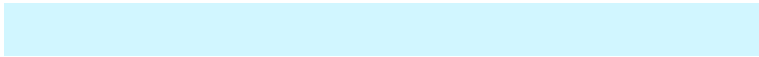
44.4659, 47.2811, 25.6410

Sweetspot

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



37.1771, 47.2829, 76.2752



77.4616, 86.9674, 107.3115



33.1035, 55.5010, 24.4651



16.0507, 18.2081, 22.9185



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.



37.1771, 47.2829, 76.2752



46.4676, 60.1540, 103.7695



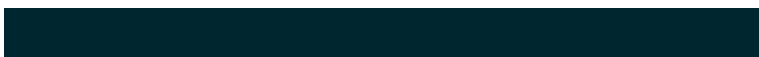
25.2514, 23.4314, 72.3000



13.8878, 15.1148, 17.5732



17.6726, 22.8148, 44.5206



1.2819, 1.6953, 3.1049

Inverse Universe

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



43.6933, 26.5418, 55.6452



56.5362, 31.0245, 71.2383



48.1210, 48.7037, 16.0987



14.1796, 13.8895, 16.7159



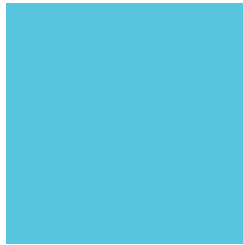
22.8605, 11.2112, 26.9949



1.6133, 0.7886, 2.0225

Previews

White Background



This preview shows how the XYZ color 37.1756, 47.2811, 76.2741 looks on a white background.

Color Contrast Check

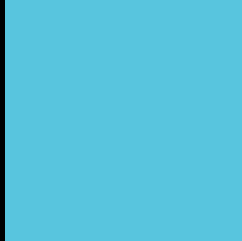
Large Text (above 18pt) WCAG AA × Fail

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 37.1756, 47.2811, 76.2741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

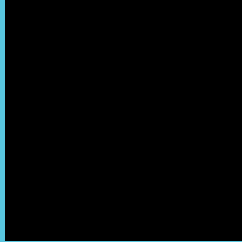
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1756, 47.2811, 76.2741

Background



This preview shows how black text looks on a background with the XYZ color 37.1756, 47.2811, 76.2741.



This preview shows how white text looks on a background with the XYZ color 37.1756, 47.2811,

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

37.1756, 47.2811, 76.2741

Protanopia

45.9836, 46.5758, 68.1944

Deuteranopia

47.7793, 46.6789, 78.4432



Tritanopia

36.0780, 47.1745, 70.8224

Trichromacy



Original Color

37.1756, 47.2811, 76.2741

Protanomaly

41.3262, 45.9534, 70.9817

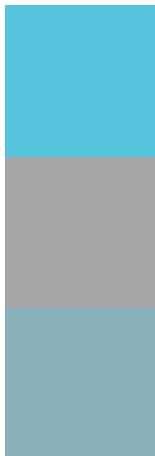
Deuteranomaly

42.6166, 46.1539, 77.8966

Tritanomaly

36.5562, 47.3764, 72.8635

Monochromacy



Original Color

37.1756, 47.2811, 76.2741

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3713, 40.8319, 53.0308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1756, 47.2811, 76.2741 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(88, 197, 222)` looks like.

```
.text, #text, p{  
  color:rgb(88, 197, 222)  
}
```

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(88, 197, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 197, 222) }
```

Border

The CSS property to change the border of an element to XYZ 37.1756, 47.2811, 76.2741 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(88, 197, 222) }
```


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

```
.border{ border-color:rgb(88, 197, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 197, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 197, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 197, 222);  
box-shadow:4px 4px 4px 4px rgb(88, 197,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1756, 47.2811, 76.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 197, 222) }
```

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

```
.background{ background-color: rgb(88, 197,  
222) }
```

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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