

Converting Colors

XYZ(37.0521, 48.4385, 85.9951)

Have a look what the booklet for
XYZ(37.0521, 48.4385, 85.9951)
contains.

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Color

**XYZ(37.0088, 48.3523,
85.9796)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC9EB
RGB	46, 201, 235
RGB Percent	18%, 79%, 92%
CMY	0.8195, 0.2118, 0.0784
CMYK	0.80, 0.14, 0.00, 0.08
HSL	191°, 83%, 55%
HSV	191°, 80%, 92%
XYZ	37.0088, 48.3523, 85.9796
YIQ	158.5310, -103.2940, -22.2860

Conversions

Conversions Part 2

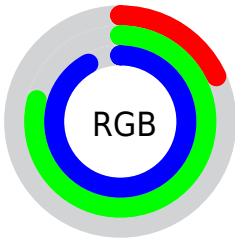
Format	Color
R _Y B	46, 131, 235
Decimal	3066347
CIE Lab	75.05, -27.33, -27.88
CIE LCh	75, 39.044, 225.573
Yxy	48.3523, 0.2160, 0.2822
Android (android.graphics.Color)	4281256427 (0xFF2EC9EB)
YUV	158.5310, 37.6992, -98.6897
Hunter-Lab	69.5358, -26.6853, -24.6358

Details

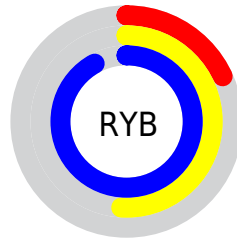
The XYZ color **37.0088, 48.3523, 85.9796** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.6248, 23.5996, 5.1588**, and the grayscale version is **32.6112, 34.3095, 37.3631**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **18.5704, 24.1221, 46.3251** is the 20% darker color. If you saturate the color by 10%, you get **35.2532, 46.0051, 85.6200**, and if you desaturate by 10%, it is **39.3733, 51.0555, 86.3777**.

Distribution



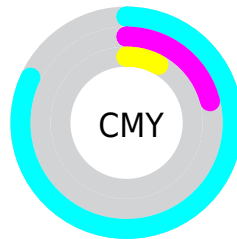
- Red (18%)
- Green (79%)
- Blue (92%)



- Red (18%)
- Yellow (51%)
- Blue (92%)



- Cyan (80%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (82%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0088, 48.3523, 85.9796 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 37.0088, 48.3523, 85.9796 by changing the saturation by 10% instead.

37.0088, 48.3523,
85.9796

37.0088, 48.3523,
85.9796

324.7035,
380.1869, 535.0928

25.3880, 34.1060,
64.0963

69.9001, 87.7287,
143.6273

16.4966, 22.9750,
46.2820

91.9012, 113.6276,
180.2288

9.9693, 14.5751,
32.1181

118.0933,
144.1794, 222.5735

5.4407, 8.5217,
21.1862

148.8415,
179.7686, 271.0798

2.5455, 4.4305,
13.0676

184.5113,
220.7795, 326.1664

0.9183, 1.9172,
7.3438

225.4680,

0.0000, 0.5587,

267.5966, 388.2517

3.5964

272.0769,
320.6043, 457.7543

■ 0.0000, 0.0000,
1.4066

■ 0.0000, 0.0000,
0.1469

■ 37.0088, 48.3523,
85.9796

■ 37.0088, 48.3523,
85.9796

■ 35.2532, 46.0051,
85.6200

■ 39.3733, 51.0555,
86.3777

■ 34.0045, 44.0161,
85.3019

■ 42.4247, 54.1524,
86.8146

■ 46.2344, 57.6812,
87.2950

■ 50.8630, 61.6734,
87.8216

■ 56.3652, 66.1574,
88.3971

■ 62.7907, 71.1592,
89.0239

■ 70.1853, 76.7027,
89.7041

■ 78.5919, 82.8103,
90.4399

■ 87.1174, 89.0219,
91.1895

Harmonies

Analogous

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



33.9700, 48.3523, 63.9135



37.0088, 48.3523, 85.9796



42.6239, 48.3523, 100.5924

Triad

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



37.0088, 48.3523, 85.9796



60.5627, 48.3523, 63.0541



42.3725, 48.3523, 23.1482

Complementary

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



37.0088, 48.3523, 85.9796



37.6248, 23.5996, 5.1588

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.



49.4604, 48.3523, 23.0309



37.0088, 48.3523, 85.9796



60.4774, 48.3523, 42.7898

Square

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



37.0088, 48.3523, 85.9796



56.4655, 48.3523, 85.2118



56.2434, 48.3523, 29.2813



36.8412, 48.3523, 29.6585

Rectangle

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



37.0088, 48.3523, 85.9796



47.3023, 48.3523, 102.2228



56.2434, 48.3523, 29.2813



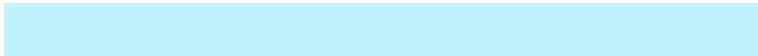
44.6382, 48.3523, 22.4293

Sweetspot

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



37.0104, 48.3540, 85.9808



72.5945, 83.3582, 106.8713



32.1941, 60.5418, 17.1060



14.9501, 17.3833, 22.8173



0.0000, 0.0000, 0.0000



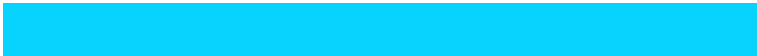
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0104, 48.3540, 85.9808



41.3162, 53.6103, 102.7780



21.5931, 17.5195, 80.8417



15.2738, 16.6341, 19.3279



19.0107, 24.6685, 47.5025



1.5529, 2.0573, 3.7501

Inverse Universe

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



45.7820, 23.8350, 57.4476



53.0184, 26.1042, 63.5447



49.5087, 47.3675, 9.1202



15.5918, 15.2646, 18.4015



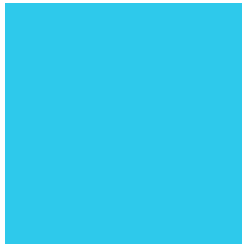
24.4510, 11.9831, 29.2402



1.9503, 0.9531, 2.4558

Previews

White Background



This preview shows how the XYZ color 37.0088, 48.3523, 85.9796 looks on a white background.

Color Contrast Check

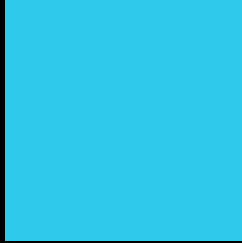
Large Text (above 18pt) WCAG AA × Fail

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 37.0088, 48.3523, 85.9796 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

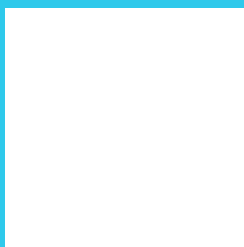
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0088, 48.3523, 85.9796

Background



This preview shows how black text looks on a background with the XYZ color 37.0088, 48.3523, 85.9796.



This preview shows how white text looks on a background with the XYZ color 37.0088, 48.3523,

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

37.0088, 48.3523, 85.9796

Protanopia

47.4583, 47.7903, 75.1297

Deuteranopia

48.8440, 47.5917, 89.0498



Tritanopia

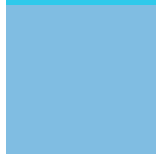
34.9371, 48.5727, 75.2442

Trichromacy



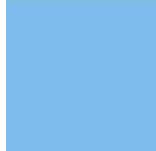
Original Color

37.0088, 48.3523, 85.9796



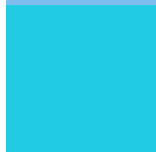
Protanomaly

40.8272, 46.4754, 78.7703



Deuteranomaly

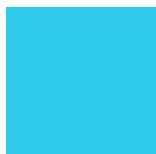
42.0200, 46.5751, 87.6641



Tritanomaly

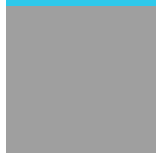
35.5737, 48.4714, 78.7152

Monochromacy



Original Color

37.0088, 48.3523, 85.9796



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.5769, 37.7115, 52.6285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0088, 48.3523, 85.9796 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(46, 201, 235)` looks like.

```
.text, #text, p{  
  color:rgb(46, 201, 235)  
}
```

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(46, 201, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 201, 235) }
```

Border

The CSS property to change the border of an element to XYZ 37.0088, 48.3523, 85.9796 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(46, 201, 235) }
```


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

```
.border{ border-color:rgb(46, 201, 235) }
```

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

Here you see how a box with a 4 pixel rgb(46, 201, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 201, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 201, 235);  
box-shadow:4px 4px 4px 4px rgb(46, 201,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0088, 48.3523, 85.9796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 201, 235) }
```

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

```
.background{ background-color: rgb(46, 201,  
235) }
```

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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