

Converting Colors

XYZ(37.3784, 45.0080, 90.9278)

Have a look what the booklet for
XYZ(37.3784, 45.0080, 90.9278)
contains.

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Color

**XYZ(37.4055, 45.0889,
90.7359)**

Conversions

Conversions Part 1

Format	Color
Hex	49BFF2
RGB	73, 191, 242
RGB Percent	29%, 75%, 95%
CMY	0.7137, 0.2510, 0.0510
CMYK	0.70, 0.21, 0.00, 0.05
HSL	198°, 87%, 62%
HSV	198°, 70%, 95%
XYZ	37.4055, 45.0889, 90.7359
YIQ	161.5320, -86.6990, -9.1550

Conversions

Conversions Part 2

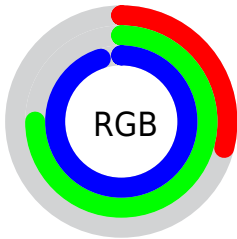
Format	Color
R _Y B	73, 142, 242
Decimal	4833266
CIE Lab	72.95, -17.00, -34.84
CIE LCh	73, 38.768, 243.999
Yxy	45.0889, 0.2159, 0.2603
Android (android.graphics.Color)	4283023346 (0xFF49BFF2)
YUV	161.5320, 39.6707, -77.6426
Hunter-Lab	67.1483, -18.0746, -33.1134

Details

The XYZ color **37.4055, 45.0889, 90.7359** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **45.0302, 33.7764, 10.4515**, and the grayscale version is **33.9758, 35.7452, 38.9265**.

A 20% lighter version of the original color is **62.1260, 79.3170, 106.6431**, and **17.9514, 21.7221, 49.7010** is the 20% darker color. If you saturate the color by 10%, you get **34.3628, 41.2153, 90.1495**, and if you desaturate by 10%, it is **41.2436, 49.4920, 91.3844**.

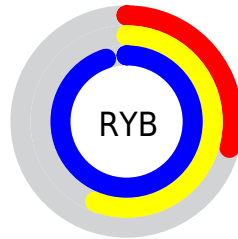
Distribution



Red (29%)

Green (75%)

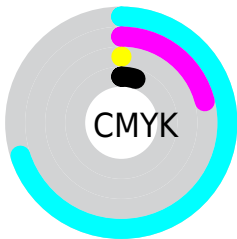
Blue (95%)



Red (29%)

Yellow (56%)

Blue (95%)

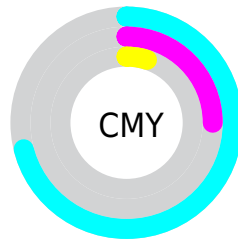


Cyan (70%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (71%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4055, 45.0889, 90.7359 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 37.4055, 45.0889, 90.7359 by changing the saturation by 10% instead.

■ 37.4055, 45.0889,
90.7359

■ 37.4055, 45.0889,
90.7359

326.3879,
367.1335, 551.0536

■ 25.6967, 31.5275,
68.0140

■ 70.5058, 82.8538,
150.3046

■ 16.7284, 21.0008,
49.4424

■ 92.6280, 107.8260,
187.9885

■ 10.1351, 13.1246,
34.6025

■ 118.9521,
137.3707, 231.4968

■ 5.5516, 7.5144,
23.0757

■ 149.8434,
171.8721, 281.2481

■ 2.6124, 3.7858,
14.4436

185.6673,
211.7147, 337.6609

■ 0.9523, 1.5545,
8.2876

226.7891,

■ 0.0000, 0.3266,

257.2829, 401.1537

4.1891

273.5742,
308.9610, 472.1451

■ 0.0000, 0.0000,
1.7296

■ 0.0000, 0.0000,
0.3809

■ 37.4055, 45.0889,
90.7359

■ 37.4055, 45.0889,
90.7359

■ 34.3628, 41.2153,
90.1495

■ 41.2436, 49.4920,
91.3844

■ 32.0217, 37.8189,
89.6173


■ 45.9474, 54.4602,
92.0954


■ 30.2376, 34.8240,
89.1333


■ 51.5845, 60.0307,
92.8735


■ 30.2093, 34.7752,
89.1253


■ 58.2139, 66.2355,
93.7218

 65.8895, 73.1041,
94.6430

 74.6614, 80.6637,
95.6398

 84.5761, 88.9399,
96.7147

 91.2754, 95.6873,
97.6640

 93.0272, 99.1909,
98.2479

Harmonies

Analogous

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



32.9562, 45.0889, 72.9947



37.4055, 45.0889, 90.7359



43.7687, 45.0889, 96.3879

Triad

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



37.4055, 45.0889, 90.7359



57.1762, 45.0889, 46.5431



35.9895, 45.0889, 24.2446

Complementary

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



37.4055, 45.0889, 90.7359



45.0302, 33.7764, 10.4515

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.



41.9554, 45.0889, 20.5321



37.4055, 45.0889, 90.7359



54.5621, 45.0889, 31.0793

Square

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



37.4055, 45.0889, 90.7359



55.6340, 45.0889, 67.2913



48.8110, 45.0889, 22.6582



32.2010, 45.0889, 34.5145

Rectangle

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



37.4055, 45.0889, 90.7359



48.3635, 45.0889, 91.5662



48.8110, 45.0889, 22.6582



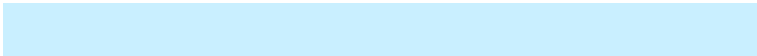
37.7827, 45.0889, 22.3315

Sweetspot

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



37.4070, 45.0905, 90.7370



73.0781, 81.3390, 106.4561



38.1206, 66.3697, 29.7737



15.1123, 16.9406, 22.7233



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.



37.4070, 45.0905, 90.7370



37.4475, 44.6694, 101.2561



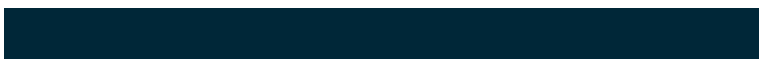
24.0135, 18.3035, 86.2725



15.8213, 17.0767, 20.1839



16.3541, 18.9325, 47.9203



1.4474, 1.7487, 4.0155

Inverse Universe

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



48.4059, 27.4057, 52.0302



51.3595, 26.5654, 51.3411



60.4267, 64.5695, 15.5836



16.2392, 15.9454, 18.8161



23.5804, 11.7046, 21.5049



2.0055, 0.9912, 2.0199

Previews

White Background



This preview shows how the XYZ color 37.4055, 45.0889, 90.7359 looks on a white background.

Color Contrast Check

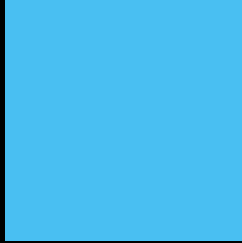
Large Text (above 18pt) WCAG AA × Fail

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 37.4055, 45.0889, 90.7359 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

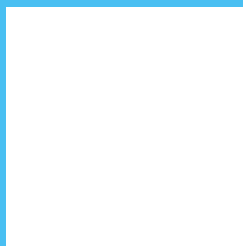
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4055, 45.0889, 90.7359

Background



This preview shows how black text looks on a background with the XYZ color 37.4055, 45.0889, 90.7359.

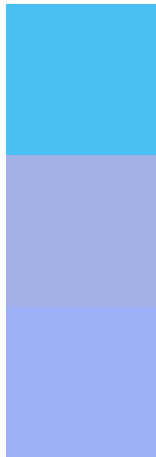


This preview shows how white text looks on a background with the XYZ color 37.4055, 45.0889,

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

37.4055, 45.0889, 90.7359

Protanopia

45.0534, 44.6067, 81.8367

Deuteranopia

45.8702, 44.7724, 93.4131



Tritanopia

33.0918, 44.9902, 69.2272

Trichromacy



Original Color

37.4055, 45.0889, 90.7359

Protanomaly

40.7252, 43.7917, 84.9035

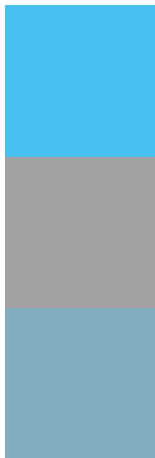
Deuteranomaly

41.6095, 44.0759, 92.7007

Tritanomaly

34.4745, 44.8719, 76.6562

Monochromacy



Original Color

37.4055, 45.0889, 90.7359

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5535, 38.3946, 54.9326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4055, 45.0889, 90.7359 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(73, 191, 242)` looks like.

```
.text, #text, p{  
    color:rgb(73, 191, 242)  
}
```

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(73, 191, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 191, 242) }
```

Border

The CSS property to change the border of an element to XYZ 37.4055, 45.0889, 90.7359 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(73, 191, 242) }
```


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

```
.border{ border-color:rgb(73, 191, 242) }
```

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

Here you see how a box with a 4 pixel rgb(73, 191, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 191, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 191, 242);  
box-shadow:4px 4px 4px 4px rgb(73, 191,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4055, 45.0889, 90.7359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 191, 242) }
```

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

```
.background{ background-color: rgb(73, 191,  
242) }
```

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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