

Converting Colors

XYZ(35.7299, 45.7565, 91.1501)

Have a look what the booklet for
XYZ(35.7299, 45.7565, 91.1501)
contains.

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Color

**XYZ(35.7669, 45.8907,
90.9771)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4F2
RGB	0, 196, 242
RGB Percent	0%, 77%, 95%
CMY	0.9998, 0.2314, 0.0510
CMYK	1.00, 0.19, 0.00, 0.05
HSL	191°, 100%, 47%
HSV	191°, 100%, 95%
XYZ	35.7669, 45.8907, 90.9771
YIQ	142.6400, -131.5820, -27.2460

Conversions

Conversions Part 2

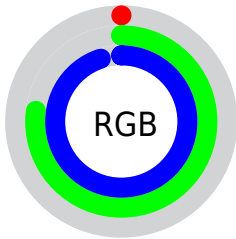
Format	Color
RYB	0, 108, 242
Decimal	50418
CIELab	73.47, -24.69, -34.11
CIELCh	73, 42.103, 234.105
Yxy	45.8907, 0.2072, 0.2658
Android (android.graphics.Color)	4278240498 (0xFF00C4F2)
YUV	142.6400, 48.9845, -125.0953
Hunter-Lab	67.7427, -24.3049, -32.2054

Details

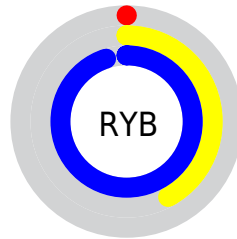
The XYZ color **35.7669, 45.8907, 90.9771** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.5980, 20.8362, 2.0419**, and the grayscale version is **25.8217, 27.1664, 29.5842**.

A 20% lighter version of the original color is **59.7308, 80.8501, 107.0652**, and **18.5359, 22.8912, 49.8959** is the 20% darker color. If you saturate the color by 10%, you get **35.7651, 45.8867, 90.9773**, and if you desaturate by 10%, it is **37.2045, 48.1970, 91.3474**.

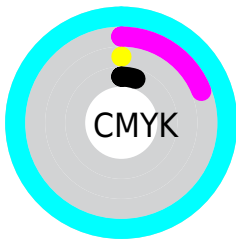
Distribution



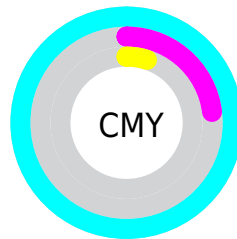
- Red (0%)
- Green (77%)
- Blue (95%)



- Red (0%)
- Yellow (42%)
- Blue (95%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7669, 45.8907, 90.9771 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 35.7669, 45.8907, 90.9771 by changing the saturation by 10% instead.


 35.7669, 45.8907,
90.9771


 35.7669, 45.8907,
90.9771


319.3896,
370.3691, 551.8561


 24.4235, 32.1596,
68.2131

 67.9984, 84.0554,
150.6422

 15.7745, 21.4834,
49.6033


 89.6171, 109.2578,
188.3804

 9.4546, 13.4778,
34.7293


 115.3917,
139.0527, 231.9471

 5.0983, 7.7584,
23.1726

 145.6875,
173.8245, 281.7607

 2.3404, 3.9407,
14.5145

 180.8698,
213.9577, 338.2399

 0.8152, 1.6405,
8.3365

221.3040,

 0.0000, 0.3847,

259.8365, 401.8032

4.2202

267.3555,
311.8455, 472.8691

■ 0.0000, 0.0000,
1.7469

■ 0.0000, 0.0000,
0.3926

■ 35.7669, 45.8907,
90.9771

■ 35.7669, 45.8907,
90.9771

■ 35.7651, 45.8867,
90.9773

■ 37.2045, 48.1970,
91.3474

■ 39.1483, 50.8111,
91.7495

■ 41.7479, 53.8114,
92.1916

■ 45.0918, 57.2439,
92.6779

■ 49.2545, 61.1473,
93.2120

■ 54.3010, 65.5556,
93.7969

■ 60.2898, 70.4993,
94.4355

■ 67.2740, 76.0063,
95.1303

■ 75.3029, 82.1021,
95.8838

Harmonies

Analogous

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



31.8344, 45.8907, 68.6075



35.7669, 45.8907, 90.9771



42.1669, 45.8907, 102.7105

Triad

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



35.7669, 45.8907, 90.9771



59.4263, 45.8907, 54.2880



38.0398, 45.8907, 21.1537

Complementary

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



35.7669, 45.8907, 90.9771



37.5980, 20.8362, 2.0419

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.



45.1015, 45.8907, 19.3200



35.7669, 45.8907, 90.9771



57.9998, 45.8907, 35.0517

Square

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



35.7669, 45.8907, 90.9771



56.2437, 45.8907, 77.9969



52.5407, 45.8907, 23.6124



33.0386, 45.8907, 29.6140

Rectangle

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



35.7669, 45.8907, 90.9771



47.1924, 45.8907, 101.0750



52.5407, 45.8907, 23.6124



40.2283, 45.8907, 19.8648

Sweetspot

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



35.7685, 45.8923, 90.9782



67.8194, 79.3330, 106.3461



32.2157, 63.6904, 13.0197



13.8783, 16.4611, 22.6958



0.0000, 0.0000, 0.0000



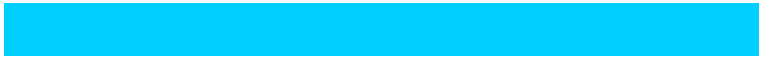
20.3446, 21.4041, 23.3091

Same Dimension

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



35.7685, 45.8923, 90.9782



40.2463, 51.6126, 102.4488



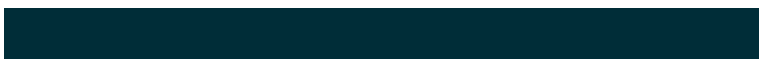
18.6592, 11.6737, 85.2751



15.9771, 17.3883, 20.2358



19.3088, 24.8419, 48.9052



1.6713, 2.1966, 4.0901

Inverse Universe

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



46.5831, 22.8644, 54.1842



52.4437, 25.7415, 60.9278



50.1437, 45.9276, 6.2238



16.3179, 15.9769, 19.2301



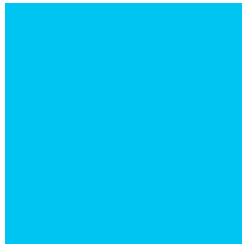
25.0718, 12.3012, 29.3585



2.1185, 1.0365, 2.6151

Previews

White Background



This preview shows how the XYZ color 35.7669, 45.8907, 90.9771 looks on a white background.

Color Contrast Check

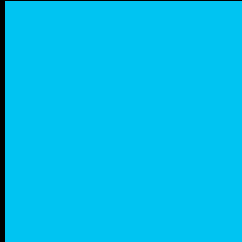
Large Text (above 18pt) WCAG AA × Fail

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 35.7669, 45.8907, 90.9771 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 35.7669, 45.8907, 90.9771

Background



This preview shows how black text looks on a background with the XYZ color 35.7669, 45.8907, 90.9771.



This preview shows how white text looks on a background with the XYZ color 35.7669, 45.8907,

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

35.7669, 45.8907, 90.9771

Protanopia

45.4516, 45.1527, 79.7186

Deuteranopia

46.4572, 45.3672, 93.4970



Tritanopia

32.6892, 45.7531, 71.3983

Trichromacy



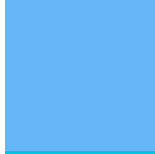
Original Color

35.7669, 45.8907, 90.9771



Protanomaly

37.7923, 43.2283, 83.4428



Deuteranomaly

38.9887, 43.6403, 92.7547



Tritanomaly

33.7847, 45.8244, 78.2985

Monochromacy



Original Color

35.7669, 45.8907, 90.9771



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.3714, 31.3195, 47.3559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7669, 45.8907, 90.9771 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(0, 196, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 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(0, 196, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 242) }
```

Border

The CSS property to change the border of an element to XYZ 35.7669, 45.8907, 90.9771 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(0, 196, 242) }
```


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

```
.border{ border-color:rgb(0, 196, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7669, 45.8907, 90.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 242) }
```

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

```
.background{ background-color: rgb(0, 196,  
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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