

Converting Colors

XYZ(17.6996, 37.2093, 88.7564)

Have a look what the booklet for
XYZ(17.6996, 37.2093, 88.7564)
contains.

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Color

**XYZ(35.9223, 46.6794,
89.5548)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6F0
RGB	0, 198, 240
RGB Percent	0%, 78%, 94%
CMY	0.9997, 0.2235, 0.0588
CMYK	1.00, 0.17, 0.00, 0.06
HSL	191°, 100%, 47%
HSV	191°, 100%, 94%
XYZ	35.9223, 46.6794, 89.5548
YIQ	143.5860, -131.4900, -28.9140

Conversions

Conversions Part 2

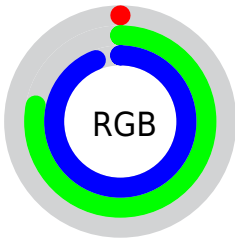
Format	Color
RYB	0, 108, 240
Decimal	50928
CIELab	73.98, -26.36, -32.24
CIELCh	74, 41.646, 230.731
Yxy	46.6794, 0.2087, 0.2711
Android (android.graphics.Color)	4278241008 (0xFF00C6F0)
YUV	143.5860, 47.5321, -125.9249
Hunter-Lab	68.3223, -25.7129, -29.8899

Details

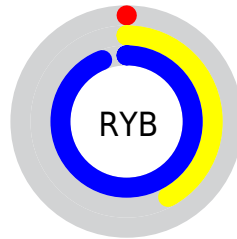
The XYZ color **35.9223, 46.6794, 89.5548** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.7665, 20.1866, 1.9607**, and the grayscale version is **26.2053, 27.5700, 30.0237**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.6250, 23.4072, 48.8838** is the 20% darker color. If you saturate the color by 10%, you get **35.9201, 46.6747, 89.5549**, and if you desaturate by 10%, it is **37.2751, 48.8230, 89.8982**.

Distribution



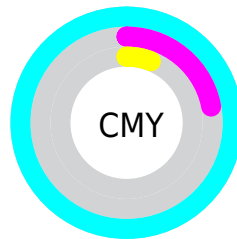
- Red (0%)
- Green (78%)
- Blue (94%)



- Red (0%)
- Yellow (42%)
- Blue (94%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9223, 46.6794, 89.5548 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 35.9223, 46.6794, 89.5548 by changing the saturation by 10% instead.


 35.9223, 46.6794,
89.5548


 35.9223, 46.6794,
89.5548


320.0580,
373.5334, 547.1143


 24.5440, 32.7823,
67.0398

 68.2368, 85.2349,
148.6499


 15.8646, 21.9597,
48.6552


 89.9037, 110.6620,
186.0672


 9.5186, 13.8273,
33.9824


 115.7309,
140.7013, 229.2890

 5.1408, 8.0006,
22.6028

 146.0836,
175.7371, 278.7338

 2.3657, 4.0954,
14.0980

 181.3274,
216.1538, 334.8202

 0.8280, 1.7270,
8.0493

221.8274,

 0.0000, 0.4411,

262.3358, 397.9667

4.0383

267.9492,
314.6675, 468.5919

■ 0.0000, 0.0000,
1.6464

■ 0.0000, 0.0000,
0.3236

■ 35.9223, 46.6794,
89.5548

■ 35.9223, 46.6794,
89.5548

■ 35.9201, 46.6747,
89.5549

■ 37.2751, 48.8230,
89.8982

■ 39.1196, 51.2592,
90.2712

■ 41.6027, 54.0648,
90.6819

■ 44.8112, 57.2847,
91.1343

■ 48.8179, 60.9569,
91.6319

■ 53.6864, 65.1145,
92.1778

■ 59.4740, 69.7872,
92.7747

■ 66.2327, 75.0022,
93.4251

■ 74.0107, 80.7847,
94.1312

Harmonies

Analogous

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



32.2985, 46.6794, 66.7350



35.9223, 46.6794, 89.5548



42.1051, 46.6794, 102.8685

Triad

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



35.9223, 46.6794, 89.5548



60.0199, 46.6794, 57.7073



39.4982, 46.6794, 21.3522

Complementary

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



35.9223, 46.6794, 89.5548



36.7665, 20.1866, 1.9607

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.



46.7092, 46.6794, 20.1872



35.9223, 46.6794, 89.5548



59.1207, 46.6794, 37.6703

Square

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



35.9223, 46.6794, 89.5548



56.3770, 46.6794, 81.3838



54.0420, 46.6794, 25.2675



34.1973, 46.6794, 29.0715

Rectangle

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



35.9223, 46.6794, 89.5548



47.0821, 46.6794, 102.5784



54.0420, 46.6794, 25.2675



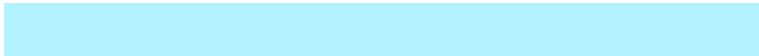
41.7590, 46.6794, 20.2854

Sweetspot

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



35.9239, 46.6810, 89.5560



68.1609, 80.0159, 106.4599



31.5454, 62.4750, 12.4092



13.9608, 16.6260, 22.7233



0.0000, 0.0000, 0.0000



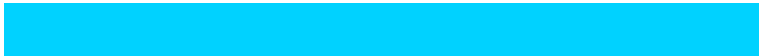
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9239, 46.6810, 89.5560



41.1863, 53.4926, 102.7621



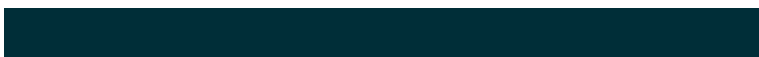
18.6015, 12.0363, 83.7818



15.9983, 17.4307, 20.2429



19.7508, 25.7259, 49.0525



1.7042, 2.2624, 4.1011

Inverse Universe

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



46.1297, 22.6044, 55.3593



52.9181, 25.9313, 63.4262



48.5111, 43.6759, 5.8756



16.3286, 15.9811, 19.2864



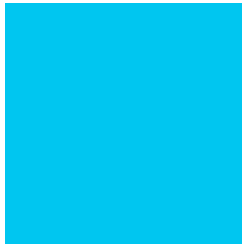
25.2949, 12.3904, 30.5333



2.1352, 1.0431, 2.7026

Previews

White Background



This preview shows how the XYZ color 35.9223, 46.6794, 89.5548 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 35.9223, 46.6794, 89.5548 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 35.9223, 46.6794, 89.5548

Background



This preview shows how black text looks on a background with the XYZ color 35.9223, 46.6794, 89.5548.

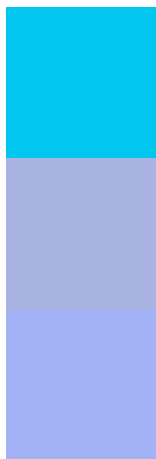


This preview shows how white text looks on a background with the XYZ color 35.9223, 46.6794,

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

35.9223, 46.6794, 89.5548

Protanopia

46.2098, 46.1662, 78.4270

Deuteranopia

47.3021, 46.1147, 92.7941



Tritanopia

33.4110, 46.7830, 72.9147

Trichromacy



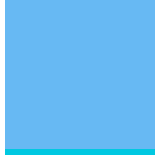
Original Color

35.9223, 46.6794, 89.5548



Protanomaly

38.1671, 44.0755, 82.0971



Deuteranomaly

39.1201, 44.0526, 91.2352



Tritanomaly

34.2449, 46.7448, 78.4519

Monochromacy



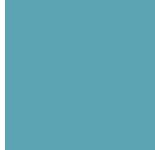
Original Color

35.9223, 46.6794, 89.5548



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.8258, 32.0809, 47.4789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9223, 46.6794, 89.5548 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, 198, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 240)  
}
```

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, 198, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 240) }
```

Border

The CSS property to change the border of an element to XYZ 35.9223, 46.6794, 89.5548 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, 198, 240) }
```


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

```
.border{ border-color:rgb(0, 198, 240) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9223, 46.6794, 89.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 240) }
```

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

```
.background{ background-color: rgb(0, 198,  
240) }
```

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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