

Converting Colors

XYZ(35.4433, 45.1832, 91.0546)

Have a look what the booklet for
XYZ(35.4433, 45.1832, 91.0546)
contains.

XYZ(35.3188, 44.9944, 90.8277)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3188, 44.9944,
90.8277)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2F2
RGB	0, 194, 242
RGB Percent	0%, 76%, 95%
CMY	0.9997, 0.2392, 0.0510
CMYK	1.00, 0.20, 0.00, 0.05
HSL	192°, 100%, 47%
HSV	192°, 100%, 95%
XYZ	35.3188, 44.9944, 90.8277
YIQ	141.4660, -131.0320, -26.2000

Conversions

Conversions Part 2

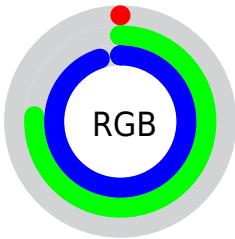
Format	Color
RYB	0, 108, 242
Decimal	49906
CIELab	72.89, -23.67, -35.02
CIELCh	73, 42.266, 235.940
Yxy	44.9944, 0.2064, 0.2629
Android (android.graphics.Color)	4278239986 (0xFF00C2F2)
YUV	141.4660, 49.5633, -124.0657
Hunter-Lab	67.0779, -23.3999, -33.3279

Details

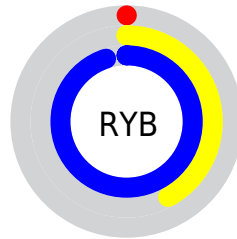
The XYZ color **35.3188, 44.9944, 90.8277** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.6783, 20.9968, 2.0688**, and the grayscale version is **25.3569, 26.6774, 29.0517**.

A 20% lighter version of the original color is **59.1027, 79.5939, 106.8559**, and **18.2410, 22.3013, 49.7976** is the 20% darker color. If you saturate the color by 10%, you get **35.3166, 44.9896, 90.8278**, and if you desaturate by 10%, it is **36.7885, 47.3649, 91.2087**.

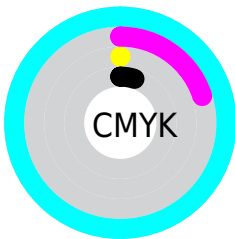
Distribution



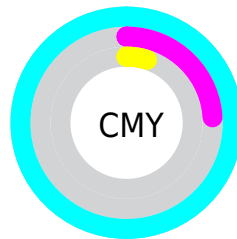
- Red (0%)
- Green (76%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3188, 44.9944, 90.8277 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 35.3188, 44.9944, 90.8277 by changing the saturation by 10% instead.

35.3188, 44.9944,
90.8277

35.3188, 44.9944,
90.8277

317.4567,
366.7509, 551.3591

24.0762, 31.4530,
68.0898

67.3101, 82.7120,
150.4331

15.5152, 20.9441,
49.5036

88.7896, 107.6570,
188.1377

9.2704, 13.0831,
34.6507

114.4120,
137.1720, 231.6682

4.9765, 7.4858,
23.1126

144.5428,
171.6414, 281.4432

2.2681, 3.7677,
14.4706

179.5473,
211.4496, 337.8813

0.7783, 1.5445,
8.3062

219.7909,

0.0000, 0.3197,

256.9810, 401.4009

4.2009

265.6389,
308.6200, 472.4207

■ 0.0000, 0.0000,
1.7362

■ 0.0000, 0.0000,
0.3854

■ 35.3188, 44.9944,
90.8277

■ 35.3188, 44.9944,
90.8277

■ 35.3166, 44.9896,
90.8278

■ 36.7885, 47.3649,
91.2087

■ 38.7673, 50.0488,
91.6224

■ 41.4047, 53.1244,
92.0771

■ 44.7892, 56.6378,
92.5769

■ 48.9953, 60.6278,
93.1253

■ 54.0882, 65.1286,
93.7256

■ 60.1263, 70.1706,
94.3806

■ 67.1628, 75.7817,
95.0928

■ 75.2470, 81.9878,
95.8646

Harmonies

Analogous

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



31.2594, 44.9944, 68.9466



35.3188, 44.9944, 90.8277



41.7715, 44.9944, 101.5656

Triad

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



35.3188, 44.9944, 90.8277



58.4939, 44.9944, 51.9177



36.8688, 44.9944, 20.8337

Complementary

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



35.3188, 44.9944, 90.8277



37.6783, 20.9968, 2.0688

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.



43.7758, 44.9944, 18.6621



35.3188, 44.9944, 90.8277



56.7974, 44.9944, 33.3138

Square

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



35.3188, 44.9944, 90.8277



55.5952, 44.9944, 75.3796



51.1923, 44.9944, 22.4992



32.0796, 44.9944, 29.6157

Rectangle

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



35.3188, 44.9944, 90.8277



46.7716, 44.9944, 99.2155



51.1923, 44.9944, 22.4992



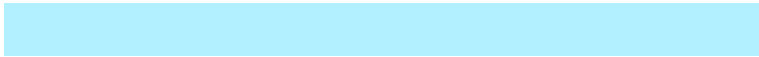
38.9956, 44.9944, 19.4381

Sweetspot

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



35.3203, 44.9960, 90.8288



67.6330, 78.9601, 106.2839



32.2159, 63.6904, 13.0201



13.8333, 16.3711, 22.6808



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.



35.3203, 44.9960, 90.8288



39.7402, 50.6005, 102.2801



18.6595, 11.6743, 85.2752



15.9655, 17.3650, 20.2319



19.0707, 24.3657, 48.8258



1.6535, 2.1610, 4.0842

Inverse Universe

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



46.3569, 22.7740, 52.9929



52.1882, 25.6393, 59.5826



50.1440, 45.9282, 6.2241



16.3120, 15.9745, 19.1992



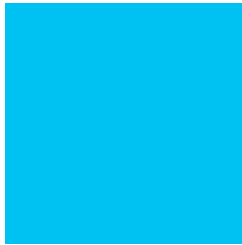
24.9516, 12.2531, 28.7256



2.1096, 1.0329, 2.5678

Previews

White Background



This preview shows how the XYZ color 35.3188, 44.9944, 90.8277 looks on a white background.

Color Contrast Check

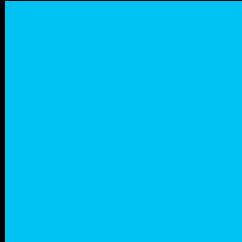
Large Text (above 18pt) WCAG AA × Fail

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 35.3188, 44.9944, 90.8277 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 35.3188, 44.9944, 90.8277

Background



This preview shows how black text looks on a background with the XYZ color 35.3188, 44.9944, 90.8277.



This preview shows how white text looks on a background with the XYZ color 35.3188, 44.9944,

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

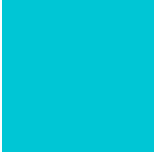
35.3188, 44.9944, 90.8277

Protanopia

44.8388, 44.5446, 79.6335

Deuteranopia

45.4821, 44.2823, 93.3390



Tritanopia

32.2043, 45.1923, 69.9764

Trichromacy



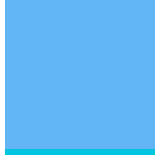
Original Color

35.3188, 44.9944, 90.8277



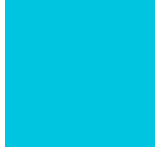
Protanomaly

37.3504, 42.6932, 83.3628



Deuteranomaly

38.3550, 42.7011, 92.6068



Tritanomaly

33.4208, 45.3143, 77.5061

Monochromacy



Original Color

35.3188, 44.9944, 90.8277



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.8231, 30.5296, 46.7040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3188, 44.9944, 90.8277 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, 194, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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, 194, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 242) }
```

Border

The CSS property to change the border of an element to XYZ 35.3188, 44.9944, 90.8277 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, 194, 242) }
```


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

```
.border{ border-color:rgb(0, 194, 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, 194, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3188, 44.9944, 90.8277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 242) }
```

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

```
.background{ background-color: rgb(0, 194,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor