

Converting Colors

XYZ(35.1921, 44.9432, 89.2033)

Have a look what the booklet for
XYZ(35.1921, 44.9432, 89.2033)
contains.

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Color

**XYZ(35.2170, 44.9764,
89.2633)**

Conversions

Conversions Part 1

Format	Color
Hex	0FC2F0
RGB	15, 194, 240
RGB Percent	6%, 76%, 94%
CMY	0.9410, 0.2392, 0.0588
CMYK	0.94, 0.19, 0.00, 0.06
HSL	192°, 88%, 50%
HSV	192°, 94%, 94%
XYZ	35.2170, 44.9764, 89.2633
YIQ	145.7230, -121.4500, -23.6420

Conversions

Conversions Part 2

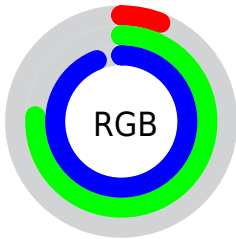
Format	Color
R _Y B	15, 115, 240
Decimal	1032944
CIE Lab	72.88, -23.97, -33.95
CIE LCh	73, 41.556, 234.779
Yxy	44.9764, 0.2078, 0.2654
Android (android.graphics.Color)	4279223024 (0xFF0FC2F0)
YUV	145.7230, 46.4786, -114.6441
Hunter-Lab	67.0644, -23.6285, -31.9703

Details

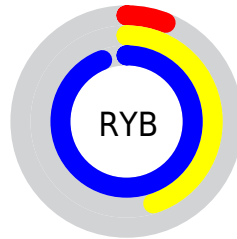
The XYZ color **35.2170, 44.9764, 89.2633** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.6937, 21.9032, 2.6950**, and the grayscale version is **27.0669, 28.4765, 31.0109**.

A 20% lighter version of the original color is **59.3572, 79.7251, 106.8678**, and **18.0298, 22.2169, 48.6854** is the 20% darker color. If you saturate the color by 10%, you get **34.3426, 43.5199, 89.0291**, and if you desaturate by 10%, it is **36.9698, 47.5292, 89.6646**.

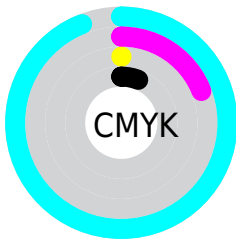
Distribution



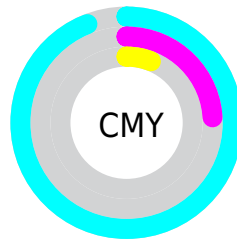
- Red (6%)
- Green (76%)
- Blue (94%)



- Red (6%)
- Yellow (45%)
- Blue (94%)



- Cyan (94%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)



- Cyan (94%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2170, 44.9764, 89.2633 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 35.2170, 44.9764, 89.2633 by changing the saturation by 10% instead.

35.2170, 44.9764,
89.2633

35.2170, 44.9764,
89.2633

317.0164,
366.6780, 546.1396

23.9974, 31.4388,
66.7995

67.1536, 82.6850,
148.2412

15.4564, 20.9332,
48.4612

88.6013, 107.6248,
185.5925

9.2287, 13.0752,
33.8296

114.1891,
137.1342, 228.7433

4.9490, 7.4804,
22.4865

144.2823,
171.5975, 278.1122

2.2518, 3.7643,
14.0130

179.2462,
211.3991, 334.1177

0.7698, 1.5426,
7.9909

219.4463,

0.0000, 0.3184,

256.9235, 397.1784

4.0014

265.2479,
308.5550, 467.7129

■ 0.0000, 0.0000,
1.6261

■ 0.0000, 0.0000,
0.3094

■ 35.2170, 44.9764,
89.2633

■ 35.2170, 44.9764,
89.2633

■ 34.3426, 43.5199,
89.0291

■ 36.9698, 47.5292,
89.6646

■ 39.3313, 50.4490,
90.1037

■ 42.3970, 53.7865,
90.5863

■ 46.2445, 57.5820,
91.1161

■ 50.9406, 61.8705,
91.6964

■ 56.5449, 66.6832,
92.3299

■ 63.1112, 72.0483,
93.0194

■ 70.6894, 77.9920,
93.7673

■ 79.3255, 84.5384,
94.5757

Harmonies

Analogous

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



31.3211, 44.9764, 67.6403



35.2170, 44.9764, 89.2633



41.4953, 44.9764, 100.3280

Triad

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



35.2170, 44.9764, 89.2633



58.1531, 44.9764, 52.6871



37.1791, 44.9764, 20.9738

Complementary

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



35.2170, 44.9764, 89.2633



37.6937, 21.9032, 2.6950

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.



44.0271, 44.9764, 19.0458



35.2170, 44.9764, 89.2633



56.6643, 44.9764, 34.0991

Square

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



35.2170, 44.9764, 89.2633



55.1505, 44.9764, 75.7306



51.2843, 44.9764, 23.1018



32.3612, 44.9764, 29.4003

Rectangle

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



35.2170, 44.9764, 89.2633



46.3966, 44.9764, 98.4798



51.2843, 44.9764, 23.1018



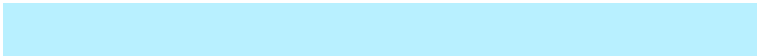
39.2972, 44.9764, 19.6666

Sweetspot

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



35.2185, 44.9780, 89.2644



68.9993, 79.9168, 106.3966



32.1751, 62.7496, 14.6970



14.0866, 16.5442, 22.7009



0.0000, 0.0000, 0.0000



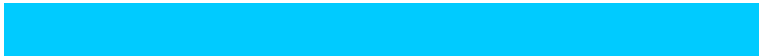
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2185, 44.9780, 89.2644



39.3719, 49.8638, 102.1573



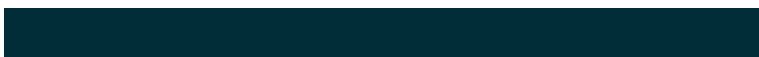
18.9842, 12.5094, 83.8530



15.9569, 17.3479, 20.2291



18.8974, 24.0190, 48.7680



1.6405, 2.1350, 4.0799

Inverse Universe

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



45.8450, 22.7638, 53.0179



52.0023, 25.5649, 58.6036



50.8733, 48.2623, 7.0882



16.3077, 15.9728, 19.1765



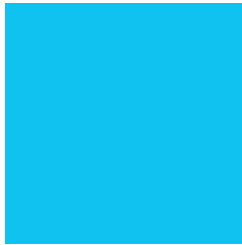
24.8642, 12.2181, 28.2649



2.1030, 1.0302, 2.5333

Previews

White Background



This preview shows how the XYZ color 35.2170, 44.9764, 89.2633 looks on a white background.

Color Contrast Check

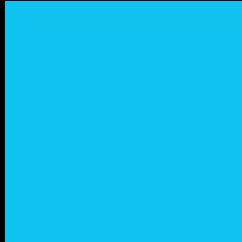
Large Text (above 18pt) WCAG AA × Fail

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 35.2170, 44.9764, 89.2633 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 35.2170, 44.9764, 89.2633

Background



This preview shows how black text looks on a background with the XYZ color 35.2170, 44.9764, 89.2633.

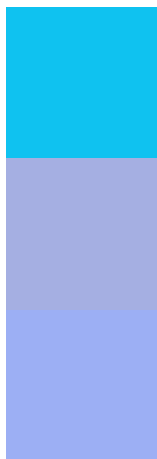


This preview shows how white text looks on a background with the XYZ color 35.2170, 44.9764,

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

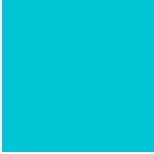
35.2170, 44.9764, 89.2633

Protanopia

44.5745, 44.1503, 78.1240

Deuteranopia

45.3694, 44.2595, 91.7397



Tritanopia

31.9765, 44.7366, 69.9005

Trichromacy



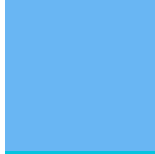
Original Color

35.2170, 44.9764, 89.2633



Protanomaly

37.5822, 42.5404, 81.8316



Deuteranomaly

38.7313, 42.9302, 91.0390



Tritanomaly

33.1218, 44.8398, 76.7213

Monochromacy



Original Color

35.2170, 44.9764, 89.2633



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.3724, 32.0863, 47.9833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2170, 44.9764, 89.2633 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(15, 194, 240)` looks like.

```
.text, #text, p{  
    color:rgb(15, 194, 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(15, 194, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 194, 240) }
```

Border

The CSS property to change the border of an element to XYZ 35.2170, 44.9764, 89.2633 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(15, 194, 240) }
```


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

```
.border{ border-color:rgb(15, 194, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 194, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 194, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 194, 240);  
box-shadow:4px 4px 4px 4px rgb(15, 194,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2170, 44.9764, 89.2633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 194, 240) }
```

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

```
.background{ background-color: rgb(15, 194,  
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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