

Converting Colors

XYZ(36.0029, 45.2420, 83.1519)

Have a look what the booklet for
XYZ(36.0029, 45.2420, 83.1519)
contains.

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Color

**XYZ(35.9502, 45.1594,
83.1658)**

Conversions

Conversions Part 1

Format	Color
Hex	43C1E8
RGB	67, 193, 232
RGB Percent	26%, 76%, 91%
CMY	0.7372, 0.2431, 0.0902
CMYK	0.71, 0.17, 0.00, 0.09
HSL	194°, 78%, 59%
HSV	194°, 71%, 91%
XYZ	35.9502, 45.1594, 83.1658
YIQ	159.7720, -87.6150, -14.5830

Conversions

Conversions Part 2

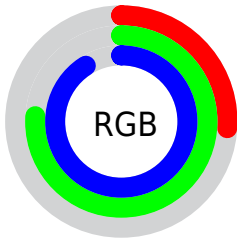
Format	Color
R _Y B	67, 138, 232
Decimal	4440552
CIE Lab	73.00, -22.01, -29.38
CIE LCh	73, 36.708, 233.159
Yxy	45.1594, 0.2188, 0.2749
Android (android.graphics.Color)	4282630632 (0xFF43C1E8)
YUV	159.7720, 35.6084, -81.3610
Hunter-Lab	67.2007, -22.1096, -26.3352

Details

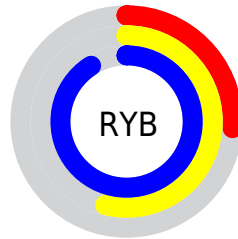
The XYZ color **35.9502, 45.1594, 83.1658** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **39.4476, 27.8715, 8.6126**, and the grayscale version is **33.1810, 34.9089, 38.0158**.

A 20% lighter version of the original color is **62.2273, 80.7421, 106.9128**, and **17.0691, 21.5998, 44.3438** is the 20% darker color. If you saturate the color by 10%, you get **33.4769, 42.1187, 82.7101**, and if you desaturate by 10%, it is **39.1081, 48.6214, 83.6685**.

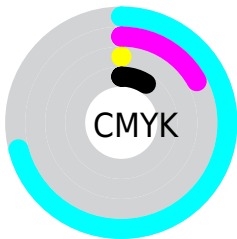
Distribution



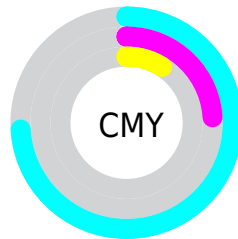
- Red (26%)
- Green (76%)
- Blue (91%)



- Red (26%)
- Yellow (54%)
- Blue (91%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (74%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9502, 45.1594, 83.1658 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 35.9502, 45.1594, 83.1658 by changing the saturation by 10% instead.

35.9502, 45.1594,
83.1658

35.9502, 45.1594,
83.1658

320.1779,
367.4187, 525.5244

24.5657, 31.5830,
61.7855

68.2796, 82.9596,
139.6590

15.8808, 21.0432,
44.4248

89.9551, 107.9521,
175.6089

9.5301, 13.1556,
30.6649

115.7917,
137.5188, 217.2526

5.1484, 7.5358,
20.0875

146.1547,
172.0441, 265.0084

2.3703, 3.7994,
12.2740

181.4095,
211.9123, 319.2949

0.8303, 1.5620,
6.8057

221.9213,

0.0000, 0.3318,

257.5079, 380.5308

3.2643

268.0557,
309.2153, 449.1344

■ 0.0000, 0.0000,
1.2311

■ 0.0000, 0.0000,
0.0043

■ 35.9502, 45.1594,
83.1658

■ 35.9502, 45.1594,
83.1658

■ 33.4769, 42.1187,
82.7101

■ 39.1081, 48.6214,
83.6685


■ 31.6018, 39.4517,
82.2942


■ 43.0146, 52.5359,
84.2181


■ 30.3200, 37.3350,
81.9532


■ 47.7306, 56.9359,
84.8189


■ 53.3098, 61.8497,
85.4733

 59.8009, 67.3030,
86.1837

 67.2488, 73.3197,
86.9525

 75.6954, 79.9221,
87.7817

 85.1801, 87.1311,
88.6733

 87.6641, 90.8031,
89.2512

Harmonies

Analogous

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



32.5610, 45.1594, 64.3967



35.9502, 45.1594, 83.1658



41.4716, 45.1594, 93.1910

Triad

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



35.9502, 45.1594, 83.1658



56.3563, 45.1594, 53.4952



38.2566, 45.1594, 23.3384

Complementary

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



35.9502, 45.1594, 83.1658



39.4476, 27.8715, 8.6126

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.



44.4071, 45.1594, 21.7961



35.9502, 45.1594, 83.1658



55.2778, 45.1594, 36.5568

Square

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



35.9502, 45.1594, 83.1658



53.5586, 45.1594, 73.5106



50.7429, 45.1594, 25.9906



33.7971, 45.1594, 30.9015

Rectangle

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



35.9502, 45.1594, 83.1658



45.7895, 45.1594, 92.1603



50.7429, 45.1594, 25.9906



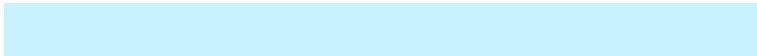
40.1781, 45.1594, 22.1912

Sweetspot

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



35.9517, 45.1610, 83.1669



74.1127, 83.4083, 106.8010



33.7485, 59.9380, 23.2926



15.3603, 17.4366, 22.8060



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.



35.9517, 45.1610, 83.1669



40.3961, 50.7118, 102.2670



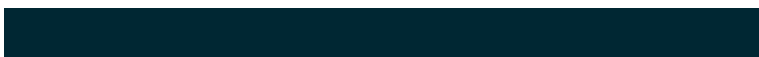
22.5665, 18.3907, 78.7052



14.5036, 15.7286, 18.4158



16.9338, 20.9297, 45.5305



1.3213, 1.6865, 3.3878

Inverse Universe

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



44.9128, 25.0220, 52.9161



52.8123, 27.0107, 59.4103



52.2766, 53.5295, 12.8889



14.8418, 14.5539, 17.3672



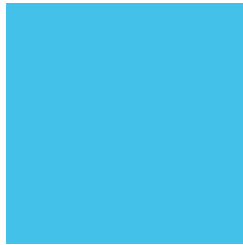
22.9409, 11.3106, 24.3815



1.7305, 0.8499, 1.9875

Previews

White Background



This preview shows how the XYZ color 35.9502, 45.1594, 83.1658 looks on a white background.

Color Contrast Check

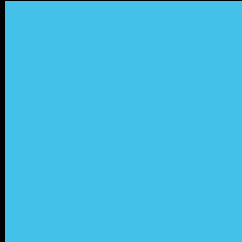
Large Text (above 18pt) WCAG AA × Fail

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 35.9502, 45.1594, 83.1658 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

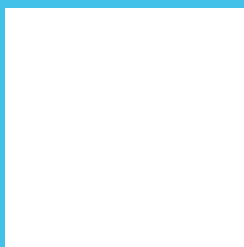
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9502, 45.1594, 83.1658

Background



This preview shows how black text looks on a background with the XYZ color 35.9502, 45.1594, 83.1658.

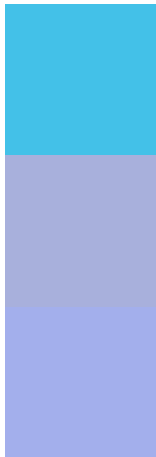


This preview shows how white text looks on a background with the XYZ color 35.9502, 45.1594,

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

35.9502, 45.1594, 83.1658

Protanopia

44.5921, 44.5428, 73.9575

Deuteranopia

45.5746, 44.5026, 85.5447



Tritanopia

33.0918, 44.9902, 69.2272

Trichromacy



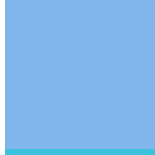
Original Color

35.9502, 45.1594, 83.1658



Protanomaly

39.5426, 43.6630, 76.8647



Deuteranomaly

40.6254, 44.0432, 84.9573



Tritanomaly

34.0462, 45.0442, 73.9178

Monochromacy



Original Color

35.9502, 45.1594, 83.1658



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

32.2196, 37.4858, 51.9917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9502, 45.1594, 83.1658 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(67, 193, 232)` looks like.

```
.text, #text, p{  
    color:rgb(67, 193, 232)  
}
```

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(67, 193, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 193, 232) }
```

Border

The CSS property to change the border of an element to XYZ 35.9502, 45.1594, 83.1658 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(67, 193, 232) }
```


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

```
.border{ border-color:rgb(67, 193, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 193, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 193, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 193, 232);  
box-shadow:4px 4px 4px 4px rgb(67, 193,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9502, 45.1594, 83.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 193, 232) }
```

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

```
.background{ background-color: rgb(67, 193,  
232) }
```

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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