

Converting Colors

XYZ(35.8095, 45.0094, 54.1172)

Have a look what the booklet for
XYZ(35.8095, 45.0094, 54.1172)
contains.

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Color

**XYZ(35.8763, 45.1034,
54.3919)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBFBC
RGB	123, 191, 188
RGB Percent	48%, 75%, 74%
CMY	0.5176, 0.2510, 0.2627
CMYK	0.36, 0.00, 0.02, 0.25
HSL	177°, 35%, 62%
HSV	177°, 36%, 75%
XYZ	35.8763, 45.1034, 54.3919
YIQ	170.3260, -39.5650, -15.3490

Conversions

Conversions Part 2

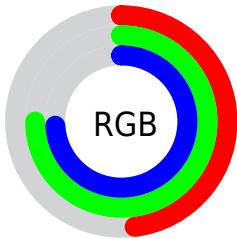
Format	Color
RYB	123, 158, 191
Decimal	8110012
CIELab	72.96, -22.10, -5.31
CIElCh	73, 22.729, 193.517
Yxy	45.1034, 0.2650, 0.3332
Android (android.graphics.Color)	4286300092 (0xFF7BBFBC)
YUV	170.3260, 8.7133, -41.5049
Hunter-Lab	67.1591, -22.1739, -1.0074

Details

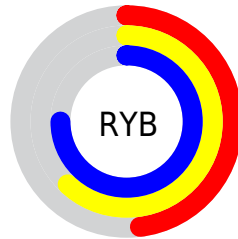
The XYZ color **35.8763, 45.1034, 54.3919** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3363, 26.7500, 23.1994**, and the grayscale version is **38.3442, 40.3411, 43.9315**.

A 20% lighter version of the original color is **68.2566, 83.1314, 98.0364**, and **15.7731, 20.9058, 26.1256** is the 20% darker color. If you saturate the color by 10%, you get **33.3158, 43.7950, 53.7999**, and if you desaturate by 10%, it is **38.9731, 46.6904, 55.0138**.

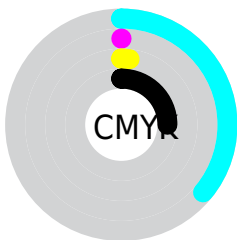
Distribution



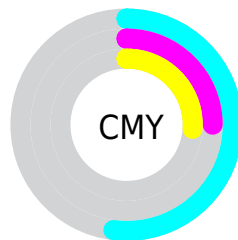
- Red (48%)
- Green (75%)
- Blue (74%)



- Red (48%)
- Yellow (62%)
- Blue (75%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)





- Cyan (52%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8763, 45.1034, 54.3919 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 35.8763, 45.1034, 54.3919 by changing the saturation by 10% instead.


 35.8763, 45.1034,
54.3919


 35.8763, 45.1034,
54.3919


319.8602,
367.1922, 420.8195


 24.5083, 31.5389,
38.5198


 68.1662, 82.8756,
98.1116

 15.8379, 21.0095,
26.0814

 89.8189, 107.8520,
126.7963

 9.4996, 13.1310,
16.6582


 115.6305,
137.4011, 160.5889

 5.1282, 7.5188,
9.8317

145.9664,
171.9075, 199.9079

 2.3582, 3.7886,
5.1834

181.1920,
211.7553, 245.1719

 0.8242, 1.5560,
2.2946

221.6726,

 0.0000, 0.3277,

257.3292, 296.7995

0.7282

267.7735,
309.0133, 355.2092

■ 0.0000, 0.0000,
0.0000

■ 35.8763, 45.1034,
54.3919

■ 35.8763, 45.1034,
54.3919

■ 33.3158, 43.7950,
53.7999

■ 38.9731, 46.6904,
55.0138

■ 31.2564, 42.7438,
53.2330

■ 42.6308, 48.5654,
55.6637

■ 29.6651, 41.9338,
52.6909

■ 46.8773, 50.7439,
56.3440

■ 28.5033, 41.3451,
52.1716

■ 51.7374, 53.2387,
57.0557

■ 27.7261, 40.9547,
51.6731

■ 57.2348, 56.0619,
57.8001

■ 27.2779, 40.7338,
51.1927

■ 63.3914, 59.2250,
58.5782

■ 27.1342, 40.6642,
50.9848

■ 69.5984, 62.4139,
59.3613

■ 69.6933, 62.4518,
59.8613

■ 69.7888, 62.4900,
60.3641

Harmonies

Analogous

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



35.9670, 45.1034, 43.1723



35.8763, 45.1034, 54.3919



37.5755, 45.1034, 65.7294

Triad

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



35.8763, 45.1034, 54.3919



48.3358, 45.1034, 66.7044



45.0689, 45.1034, 31.0086

Complementary

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



35.8763, 45.1034, 54.3919



32.3363, 26.7500, 23.1994

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.



48.6386, 45.1034, 35.5584



35.8763, 45.1034, 54.3919



50.6028, 45.1034, 55.5684

Square

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



35.8763, 45.1034, 54.3919



44.6761, 45.1034, 73.5431



50.7169, 45.1034, 44.1815



41.1121, 45.1034, 30.7939

Rectangle

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



35.8763, 45.1034, 54.3919



39.5591, 45.1034, 71.3581



50.7169, 45.1034, 44.1815



46.3595, 45.1034, 32.0457

Sweetspot

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



35.8776, 45.1052, 54.3929



79.5834, 88.6365, 100.2226



30.8706, 43.1596, 25.4435



17.2508, 19.3483, 21.9715



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



35.8776, 45.1052, 54.3929



60.4761, 78.8478, 96.5523



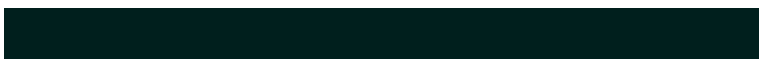
30.2140, 33.2546, 54.1185



9.7899, 10.8021, 12.1431



17.8396, 26.7261, 33.5477



0.7045, 1.0492, 1.3440

Inverse Universe

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



32.3363, 26.7500, 23.1994



53.1685, 40.9500, 32.1678



36.5523, 35.4874, 23.6631



9.5468, 9.5430, 10.0024



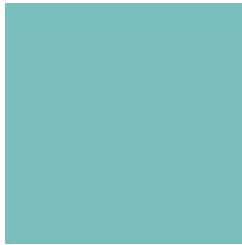
14.1585, 7.2945, 0.8622



0.5605, 0.2881, 0.0649

Previews

White Background



This preview shows how the XYZ color 35.8763, 45.1034, 54.3919 looks on a white background.

Color Contrast Check

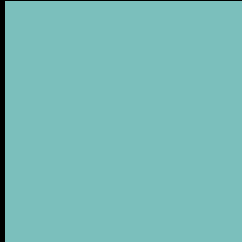
Large Text (above 18pt) WCAG AA × Fail

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 35.8763, 45.1034, 54.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

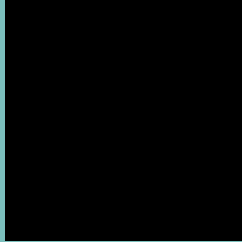
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8763, 45.1034, 54.3919

Background



This preview shows how black text looks on a background with the XYZ color 35.8763, 45.1034, 54.3919.

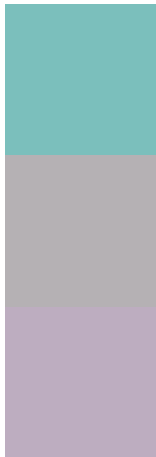


This preview shows how white text looks on a background with the XYZ color 35.8763, 45.1034,

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

35.8763, 45.1034, 54.3919

Protanopia

43.0164, 44.5633, 49.5144

Deuteranopia

45.4443, 44.5117, 56.0656



Tritanopia

37.8491, 45.2669, 63.8693

Trichromacy



Original Color

35.8763, 45.1034, 54.3919

Protanomaly

39.7724, 44.3484, 51.2636

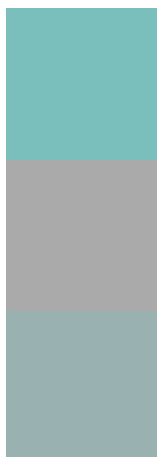
Deuteranomaly

41.2423, 44.4034, 55.6872

Tritanomaly

37.2107, 45.3397, 60.2163

Monochromacy



Original Color

35.8763, 45.1034, 54.3919

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.9931, 41.7874, 47.7110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8763, 45.1034, 54.3919 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(123, 191, 188)` looks like.

```
.text, #text, p{  
    color:rgb(123, 191, 188)  
}
```

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(123, 191, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 191, 188) }
```

Border

The CSS property to change the border of an element to XYZ 35.8763, 45.1034, 54.3919 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(123, 191, 188) }
```


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

```
.border{ border-color:rgb(123, 191, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 191, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 191, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 191, 188);  
box-shadow:4px 4px 4px 4px rgb(123, 191,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8763, 45.1034, 54.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 191, 188) }
```

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

```
.background{ background-color: rgb(123,  
191, 188) }
```

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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