

Converting Colors

XYZ(35.3263, 50.0753, 64.9303)

Have a look what the booklet for
XYZ(35.3263, 50.0753, 64.9303)
contains.

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Color

**XYZ(35.3263, 50.0753,
64.9303)**

Conversions

Conversions Part 1

Format	Color
Hex	40CFCC
RGB	64, 207, 204
RGB Percent	25%, 81%, 80%
CMY	0.7490, 0.1882, 0.2000
CMYK	0.69, 0.00, 0.01, 0.19
HSL	179°, 60%, 53%
HSV	179°, 69%, 81%
XYZ	35.3263, 50.0753, 64.9303
YIQ	163.9010, -84.2650, -31.2490

Conversions

Conversions Part 2

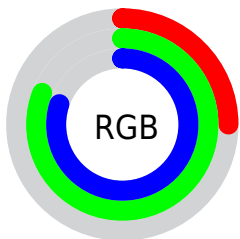
Format	Color
R _{YB}	64, 136, 207
Decimal	4247500
CIE Lab	76.12, -37.56, -9.52
CIE LCh	76, 38.745, 194.227
Yxy	50.0753, 0.2350, 0.3331
Android (android.graphics.Color)	4282437580 (0xFF40CFCC)
YUV	163.9010, 19.7688, -87.6132
Hunter-Lab	70.7639, -34.7272, -4.8675

Details

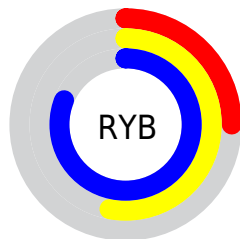
The XYZ color **35.3263, 50.0753, 64.9303** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.5804, 17.3391, 7.1524**, and the grayscale version is **35.1791, 37.0112, 40.3052**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **16.7333, 24.6585, 32.7318** is the 20% darker color. If you saturate the color by 10%, you get **34.1700, 49.4864, 64.6056**, and if you desaturate by 10%, it is **36.9851, 50.9255, 65.2815**.

Distribution



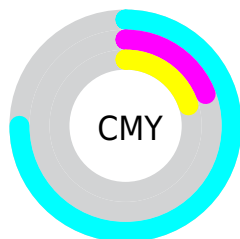
- Red (25%)
- Green (81%)
- Blue (80%)



- Red (25%)
- Yellow (53%)
- Blue (81%)



- Cyan (69%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)



- Cyan (75%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3263, 50.0753, 64.9303 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 35.3263, 50.0753, 64.9303 by changing the saturation by 10% instead.

■ 35.3263, 50.0753,
64.9303

■ 35.3263, 50.0753,
64.9303

317.4891,
386.9603, 460.8408

■ 24.0820, 35.4732,
46.9536

■ 67.3216, 90.2864,
113.5620

■ 15.5195, 24.0276,
32.6449

■ 88.8034, 116.6643,
145.0540

■ 9.2735, 15.3541,
21.5856

■ 114.4284,
147.7362, 181.8882

■ 4.9785, 9.0683,
13.3574

■ 144.5620,
183.8866, 224.4831

■ 2.2693, 4.7858,
7.5415

179.5695,
225.4998, 273.2573

■ 0.7789, 2.1221,
3.7194

219.8163,

■ 0.0000, 0.6770,

272.9602, 328.6293

1.4727

265.6677,
326.6522, 391.0176

■ 0.0000, 0.0000,
0.1975

■ 0.0000, 0.0000,
0.0000

■ 35.3263, 50.0753,
64.9303

■ 35.3263, 50.0753,
64.9303

■ 34.1700, 49.4864,
64.6056

■ 36.9851, 50.9255,
65.2815

■ 33.4533, 49.1229,
64.3011

■ 39.1914, 52.0569,
65.6580

■ 33.0810, 48.9369,
64.0134

■ 41.9904, 53.4937,
66.0630

■ 33.0523, 48.9227,
63.9872

■ 45.4212, 55.2563,
66.4984

■ 49.5199, 57.3631,
66.9657

■ 54.3194, 59.8313,
67.4666

■ 59.8508, 62.6767,
68.0026

■ 66.1433, 65.9144,
68.5749

■ 73.2243, 69.5587,
69.1848

Harmonies

Analogous

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



35.4061, 50.0753, 44.3799



35.3263, 50.0753, 64.9303



38.2926, 50.0753, 87.3615

Triad

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



35.3263, 50.0753, 64.9303



57.9901, 50.0753, 88.4081



51.4839, 50.0753, 24.4319

Complementary

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



35.3263, 50.0753, 64.9303



28.5804, 17.3391, 7.1524

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.



58.2939, 50.0753, 31.1577



35.3263, 50.0753, 64.9303



62.3024, 50.0753, 66.1056

Square

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



35.3263, 50.0753, 64.9303



51.1022, 50.0753, 103.0716



62.4189, 50.0753, 45.2927



44.2522, 50.0753, 24.2691

Rectangle

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



35.3263, 50.0753, 64.9303



41.7902, 50.0753, 98.9307



62.4189, 50.0753, 45.2927



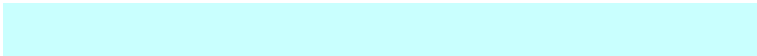
53.9141, 50.0753, 25.9052

Sweetspot

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



35.3278, 50.0772, 64.9315



77.8381, 91.1478, 107.1525



25.6776, 46.2545, 12.4265



16.2584, 19.3026, 22.8898



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.



35.3278, 50.0772, 64.9315



54.1138, 78.9783, 103.2932



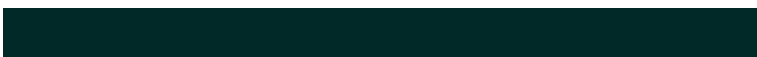
22.7958, 24.4314, 62.5478



12.1472, 13.4026, 15.1316



20.8284, 30.8243, 40.3381



1.1681, 1.7249, 2.2738

Inverse Universe

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



28.5804, 17.3391, 7.1524



42.6459, 23.2250, 5.0092



34.7401, 29.7989, 8.7726



11.8187, 11.8122, 12.3209



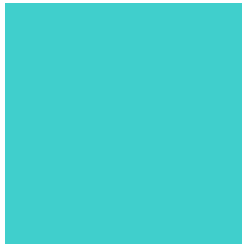
16.2318, 8.3655, 0.8607



0.9112, 0.4692, 0.0671

Previews

White Background



This preview shows how the XYZ color 35.3263, 50.0753, 64.9303 looks on a white background.

Color Contrast Check

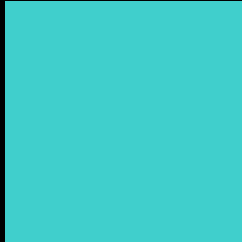
Large Text (above 18pt) WCAG AA × Fail

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 35.3263, 50.0753, 64.9303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

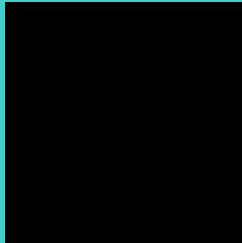
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

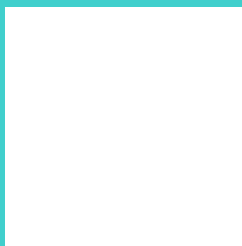
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3263, 50.0753, 64.9303

Background



This preview shows how black text looks on a background with the XYZ color 35.3263, 50.0753, 64.9303.

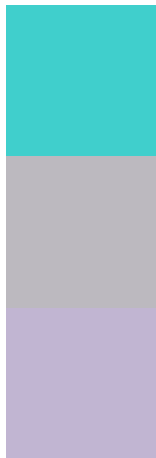


This preview shows how white text looks on a background with the XYZ color 35.3263, 50.0753,

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

35.3263, 50.0753, 64.9303

Protanopia

47.4920, 49.1509, 56.2742

Deuteranopia

50.1491, 49.0383, 67.7950



Tritanopia

37.4681, 49.8620, 76.0562

Trichromacy



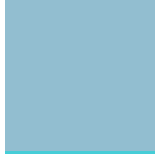
Original Color

35.3263, 50.0753, 64.9303



Protanomaly

40.3615, 47.9651, 59.3555



Deuteranomaly

41.6527, 47.4920, 66.6460



Tritanomaly

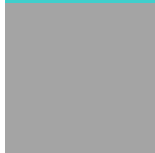
36.6229, 49.8710, 71.9858

Monochromacy



Original Color

35.3263, 50.0753, 64.9303



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.3600, 40.4864, 48.7042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3263, 50.0753, 64.9303 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(64, 207, 204)` looks like.

```
.text, #text, p{  
    color:rgb(64, 207, 204)  
}
```

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(64, 207, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 207, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.3263, 50.0753, 64.9303 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(64, 207, 204) }
```


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

```
.border{ border-color:rgb(64, 207, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 207, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 207, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 207, 204);  
box-shadow:4px 4px 4px 4px rgb(64, 207,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3263, 50.0753, 64.9303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 207, 204) }
```

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

```
.background{ background-color: rgb(64, 207,  
204) }
```

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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