

Converting Colors

XYZ(35.6732, 47.7920, 64.4714)

Have a look what the booklet for
XYZ(35.6732, 47.7920, 64.4714)
contains.

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Color

**XYZ(35.6732, 47.7920,
64.4714)**

Conversions

Conversions Part 1

Format	Color
Hex	59C8CC
RGB	89, 200, 204
RGB Percent	35%, 78%, 80%
CMY	0.6510, 0.2157, 0.2000
CMYK	0.56, 0.02, 0.00, 0.20
HSL	182°, 53%, 57%
HSV	182°, 56%, 80%
XYZ	35.6732, 47.7920, 64.4714
YIQ	167.2670, -67.4400, -22.2880

Conversions

Conversions Part 2

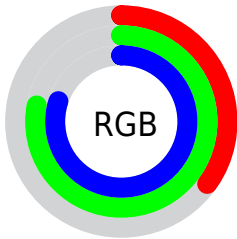
Format	Color
RYB	89, 145, 204
Decimal	5884108
CIELab	74.69, -30.26, -11.58
CIELCh	75, 32.394, 200.938
Yxy	47.7920, 0.2411, 0.3231
Android (android.graphics.Color)	4284074188 (0xFF59C8CC)
YUV	167.2670, 18.1094, -68.6402
Hunter-Lab	69.1318, -28.8714, -6.9009

Details

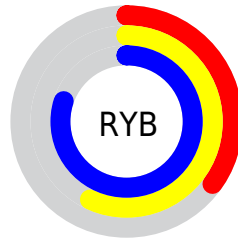
The XYZ color **35.6732, 47.7920, 64.4714** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.6204, 21.3884, 11.9670**, and the grayscale version is **36.8002, 38.7166, 42.1624**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **15.7964, 22.7662, 32.4159** is the 20% darker color. If you saturate the color by 10%, you get **33.8167, 46.5927, 64.3386**, and if you desaturate by 10%, it is **38.0757, 49.2760, 64.6321**.

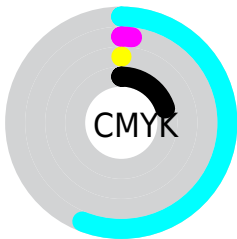
Distribution



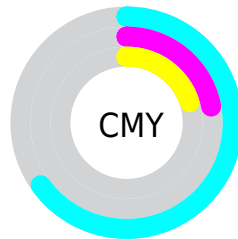
- Red (35%)
- Green (78%)
- Blue (80%)



- Red (35%)
- Yellow (57%)
- Blue (80%)



- Cyan (56%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)





- Cyan (65%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6732, 47.7920, 64.4714 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 35.6732, 47.7920, 64.4714 by changing the saturation by 10% instead.


 35.6732, 47.7920,
64.4714


 35.6732, 47.7920,
64.4714


318.9861,
377.9671, 459.1441


 24.3508, 33.6622,
46.5840


 67.8545, 86.8946,
112.8955


 15.7202, 22.6342,
32.3549


 89.4442, 112.6363,
144.2693

 9.4160, 14.3236,
21.3657


 115.1871,
143.0173, 180.9756

 5.0728, 8.3461,
13.1977

 145.4484,
178.4221, 223.4330

 2.3252, 4.3172,
7.4325

180.5937,
219.2351, 272.0600

 0.8075, 1.8525,
3.6515

220.9881,

 0.0000, 0.5196,

265.8406, 327.2752

1.4362

266.9971,
318.6232, 389.4970

■ 0.0000, 0.0000,
0.1697

■ 0.0000, 0.0000,
0.0000

■ 35.6732, 47.7920,
64.4714

■ 35.6732, 47.7920,
64.4714

■ 33.8167, 46.5927,
64.3386

■ 38.0757, 49.2760,
64.6321

■ 32.4558, 45.6490,
64.2282


■ 41.0606, 51.0604,
64.8192


■ 31.5384, 44.9350,
64.1387


■ 44.6662, 53.1659,
65.0355


■ 30.9959, 44.4153,
64.0670


■ 48.9265, 55.6100,
65.2828


 30.8447, 44.2506,
64.0432

 53.8728, 58.4089,
65.5623

 59.5344, 61.5777,
65.8755

 65.9391, 65.1307,
66.2238

 73.1130, 69.0814,
66.6082

 74.3038, 69.9488,
66.7129

Harmonies

Analogous

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



35.1609, 47.7920, 47.1080



35.6732, 47.7920, 64.4714



38.6739, 47.7920, 81.4050

Triad

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



35.6732, 47.7920, 64.4714



54.7694, 47.7920, 75.1937



47.2268, 47.7920, 26.1882

Complementary

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



35.6732, 47.7920, 64.4714



30.6204, 21.3884, 11.9670

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.



52.9190, 47.7920, 30.7485



35.6732, 47.7920, 64.4714



57.5139, 47.7920, 57.2992

Square

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



35.6732, 47.7920, 64.4714



49.5810, 47.7920, 88.4641



56.8091, 47.7920, 41.3146



41.5077, 47.7920, 27.2993

Rectangle

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



35.6732, 47.7920, 64.4714



41.8357, 47.7920, 88.9809



56.8091, 47.7920, 41.3146



49.2136, 47.7920, 27.0644

Sweetspot

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



35.6746, 47.7938, 64.4725



80.3816, 91.7272, 108.0763



27.6823, 46.0980, 17.7574



16.8825, 19.4492, 23.1142



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.



35.6746, 47.7938, 64.4725



55.3617, 76.7293, 106.5001



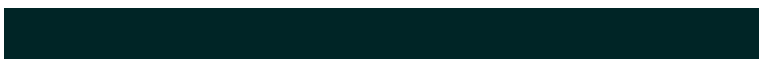
24.7927, 26.0300, 60.8452



11.5085, 12.6575, 14.4070



19.4285, 27.8811, 40.3139



1.0130, 1.4597, 2.0833

Inverse Universe

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



38.9008, 24.1536, 57.2573



61.3216, 34.0722, 92.9433



37.6658, 35.4793, 14.3155



11.6700, 11.3968, 14.0631



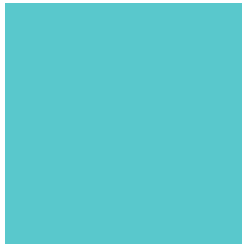
22.0175, 10.6176, 34.1406



1.1413, 0.5499, 1.7897

Previews

White Background



This preview shows how the XYZ color 35.6732, 47.7920, 64.4714 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 35.6732, 47.7920, 64.4714 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

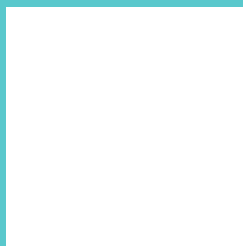
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6732, 47.7920, 64.4714

Background



This preview shows how black text looks on a background with the XYZ color 35.6732, 47.7920, 64.4714.



This preview shows how white text looks on a background with the XYZ color 35.6732, 47.7920,

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

35.6732, 47.7920, 64.4714

Protanopia

45.6780, 46.9653, 57.1098

Deuteranopia

48.1681, 47.1356, 66.8810



Tritanopia

36.8459, 47.5704, 70.8583

Trichromacy



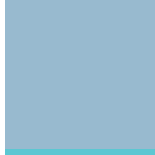
Original Color

35.6732, 47.7920, 64.4714



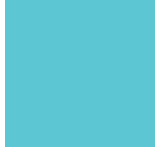
Protanomaly

40.4557, 46.3872, 59.6447



Deuteranomaly

41.7703, 46.2982, 65.7664



Tritanomaly

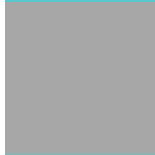
36.4699, 47.7753, 68.2722

Monochromacy



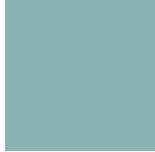
Original Color

35.6732, 47.7920, 64.4714



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.0058, 41.0245, 49.2535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6732, 47.7920, 64.4714 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(89, 200, 204)` looks like.

```
.text, #text, p{  
    color:rgb(89, 200, 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(89, 200, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 200, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.6732, 47.7920, 64.4714 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(89, 200, 204) }
```


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

```
.border{ border-color:rgb(89, 200, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 200, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 200, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 200, 204);  
box-shadow:4px 4px 4px 4px rgb(89, 200,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6732, 47.7920, 64.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 200, 204) }
```

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

```
.background{ background-color: rgb(89, 200,  
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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