

Converting Colors

XYZ(34.4604, 45.8029, 71.5239)

Have a look what the booklet for
XYZ(34.4604, 45.8029, 71.5239)
contains.

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Color

**XYZ(34.3204, 45.5794,
71.2788)**

Conversions

Conversions Part 1

Format	Color
Hex	43C4D7
RGB	67, 196, 215
RGB Percent	26%, 77%, 84%
CMY	0.7372, 0.2314, 0.1569
CMYK	0.69, 0.09, 0.00, 0.16
HSL	188°, 65%, 55%
HSV	188°, 69%, 84%
XYZ	34.3204, 45.5794, 71.2788
YIQ	159.5950, -82.9830, -21.4390

Conversions

Conversions Part 2

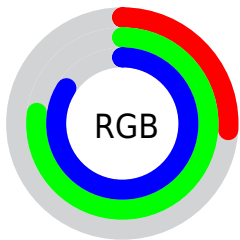
Format	Color
RYB	67, 136, 215
Decimal	4441303
CIELab	73.27, -28.74, -19.74
CIELCh	73, 34.871, 214.481
Yxy	45.5794, 0.2270, 0.3015
Android (android.graphics.Color)	4282631383 (0xFF43C4D7)
YUV	159.5950, 27.3147, -81.2058
Hunter-Lab	67.5125, -27.4053, -15.3388




Details

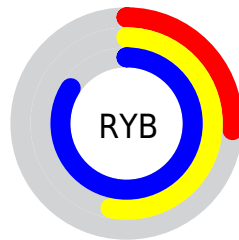
The XYZ color **34.3204, 45.5794, 71.2788** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.3665, 21.5095, 7.7575**, and the grayscale version is **33.1349, 34.8605, 37.9631**.




A 20% lighter version of the original color is **62.8481, 82.4571, 107.2111**, and **16.0182, 21.8841, 36.6375** is the 20% darker color. If you saturate the color by 10%, you get **32.4943, 43.7232, 71.0176**, and if you desaturate by 10%, it is **36.7077, 47.7438, 71.5716**.

Distribution







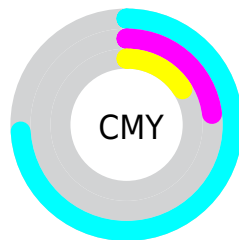
-  Red (26%)
-  Green (77%)
-  Blue (84%)






-  Red (26%)
-  Yellow (53%)
-  Blue (84%)



-  Cyan (69%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (16%)



-  Cyan (74%)
-  Magenta (23%)
-  Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3204, 45.5794, 71.2788 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 34.3204, 45.5794, 71.2788 by changing the saturation by 10% instead.

34.3204, 45.5794,
71.2788

34.3204, 45.5794,
71.2788

313.1192,
369.1151, 483.9374

23.3039, 31.9140,
52.0865

65.7726, 83.5892,
122.7288

14.9400, 21.2959,
36.6913

86.9390, 108.7024,
155.8236

8.8633, 13.3404,
24.6747

112.2194,
138.4004, 194.3896

4.7085, 7.6634,
15.6180

141.9792,
173.0675, 238.8454

2.1103, 3.8803,
9.1029

176.5837,
213.0881, 289.6095

0.6948, 1.6068,
4.7106

216.3983,

0.0000, 0.3622,

258.8466, 347.1006

2.0227

261.7884,
310.7275, 411.7370

■ 0.0000, 0.0000,
0.5692

■ 0.0000, 0.0000,
0.0000

■ 34.3204, 45.5794,
71.2788

■ 34.3204, 45.5794,
71.2788

■ 32.4943, 43.7232,
71.0176

■ 36.7077, 47.7438,
71.5716

■ 31.1610, 42.1370,
70.7817


■ 39.7063, 50.2395,
71.8953


■ 30.2213, 40.7705,
70.5675

■ 43.3653, 53.0929,
72.2532


■ 30.1213, 40.6171,
70.5432


■ 47.7279, 56.3262,
72.6473

 52.8334, 59.9598,
73.0796

 58.7181, 64.0126,
73.5517

 65.4160, 68.5021,
74.0653

 72.9591, 73.4450,
74.6218

 79.3211, 77.7967,
75.1264

Harmonies

Analogous

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



32.6088, 45.5794, 52.3108



34.3204, 45.5794, 71.2788



38.4434, 45.5794, 86.7166

Triad

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



34.3204, 45.5794, 71.2788



54.8437, 45.5794, 65.6241



42.4081, 45.5794, 23.0238

Complementary

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



34.3204, 45.5794, 71.2788



32.3665, 21.5095, 7.7575

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.



48.5965, 45.5794, 24.9874



34.3204, 45.5794, 71.2788



56.1565, 45.5794, 47.0390

Square

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



34.3204, 45.5794, 71.2788



50.3377, 45.5794, 82.9490



53.7738, 45.5794, 32.8764



36.9902, 45.5794, 26.6928

Rectangle

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



34.3204, 45.5794, 71.2788



42.1990, 45.5794, 91.3434



53.7738, 45.5794, 32.8764



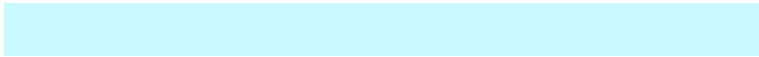
44.4644, 45.5794, 23.0557

Sweetspot

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



34.3218, 45.5811, 71.2799



75.8646, 86.9120, 107.3849



28.2272, 50.4396, 16.6922



15.7816, 18.2792, 22.9464



0.0000, 0.0000, 0.0000



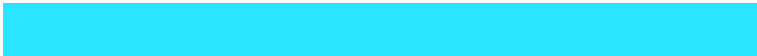
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3218, 45.5811, 71.2799



46.7575, 63.1341, 104.3295



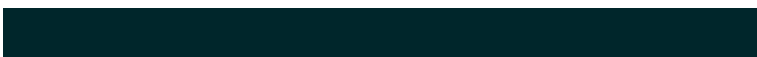
21.7564, 20.4501, 67.0914



12.6499, 13.8231, 15.9389



18.0707, 24.4032, 42.2110



1.1288, 1.5495, 2.5589

Inverse Universe

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



39.9965, 22.4483, 54.4511



56.0966, 28.6053, 75.8394



41.3113, 39.3989, 10.7391



12.8812, 12.6040, 15.3147



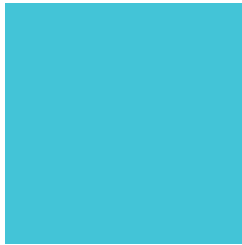
22.1801, 10.8084, 29.3163



1.3574, 0.6597, 1.8714

Previews

White Background



This preview shows how the XYZ color 34.3204, 45.5794, 71.2788 looks on a white background.

Color Contrast Check

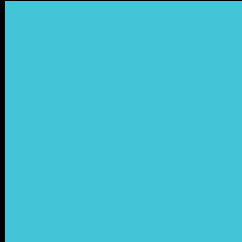
Large Text (above 18pt) WCAG AA × Fail

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 34.3204, 45.5794, 71.2788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

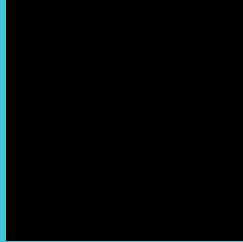
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3204, 45.5794, 71.2788

Background



This preview shows how black text looks on a background with the XYZ color 34.3204, 45.5794, 71.2788.



This preview shows how white text looks on a background with the XYZ color 34.3204, 45.5794,

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

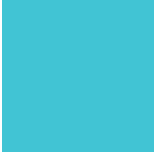
34.3204, 45.5794, 71.2788

Protanopia

44.1808, 44.8700, 62.8321

Deuteranopia

45.9274, 44.9412, 73.9640



Tritanopia

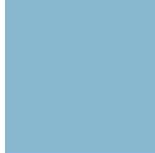
33.8036, 45.3571, 69.2605

Trichromacy



Original Color

34.3204, 45.5794, 71.2788



Protanomaly

38.5563, 44.0202, 65.4961



Deuteranomaly

39.7417, 44.1632, 72.7594



Tritanomaly

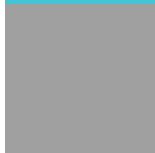
33.9969, 45.4422, 69.9302

Monochromacy



Original Color

34.3204, 45.5794, 71.2788



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.7860, 37.6180, 48.7657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3204, 45.5794, 71.2788 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, 196, 215)` looks like.

```
.text, #text, p{  
    color:rgb(67, 196, 215)  
}
```

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, 196, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 196, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.3204, 45.5794, 71.2788 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, 196, 215) }
```


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

```
.border{ border-color:rgb(67, 196, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 196, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 196, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 196, 215);  
box-shadow:4px 4px 4px 4px rgb(67, 196,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3204, 45.5794, 71.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 196, 215) }
```

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

```
.background{ background-color: rgb(67, 196,  
215) }
```

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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