

# Converting Colors

XYZ(34.7553, 43.9664, 56.0899)

Have a look what the booklet for  
XYZ(34.7553, 43.9664, 56.0899)  
contains.

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# Color

**XYZ(34.6718, 43.8016,  
55.9174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73BDBF
RGB	115, 189, 191
RGB Percent	45%, 74%, 75%
CMY	0.5490, 0.2588, 0.2510
CMYK	0.40, 0.01, 0.00, 0.25
HSL	182°, 37%, 60%
HSV	182°, 40%, 75%
XYZ	34.6718, 43.8016, 55.9174
YIQ	167.1020, -44.7460, -15.0660

# Conversions

## Conversions Part 2

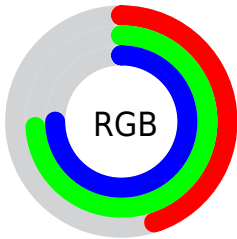
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 152, 191
Decimal	7585215
CIELab	72.10, -22.46, -8.27
CIELCh	72, 23.939, 200.217
Yxy	43.8016, 0.2580, 0.3259
Android (android.graphics.Color)	4285775295 (0xFF73BDBF)
YUV	167.1020, 11.7817, -45.6935
Hunter-Lab	66.1828, -22.3074, -3.7658

# Details

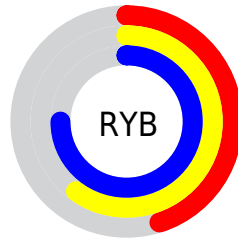
The XYZ color **34.6718, 43.8016, 55.9174** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.9424, 25.0374, 19.4225**, and the grayscale version is **36.7414, 38.6548, 42.0951**.

A 20% lighter version of the original color is **66.2355, 80.6781, 100.0771**, and **15.1149, 20.1236, 27.1324** is the 20% darker color. If you saturate the color by 10%, you get **32.3083, 42.4241, 55.7768**, and if you desaturate by 10%, it is **37.5587, 45.4515, 56.0845**.

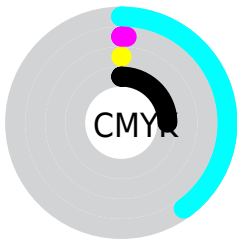
# Distribution



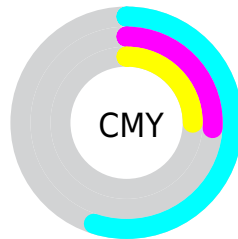
- Red (45%)
- Green (74%)
- Blue (75%)



- Red (45%)
- Yellow (60%)
- Blue (75%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (55%)
- Magenta (26%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6718, 43.8016, 55.9174 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 34.6718, 43.8016, 55.9174 by changing the saturation by 10% instead.



■ 34.6718, 43.8016,  
55.9174

■ 34.6718, 43.8016,  
55.9174

314.6508,  
361.8980, 426.7597

■ 23.5755, 30.5146,  
39.7332

■ 66.3144, 80.9191,  
100.3684

■ 15.1421, 20.2295,  
27.0183

■ 87.5914, 105.5184,  
129.4722

■ 9.0061, 12.5620,  
17.3544

■ 112.9927,  
134.6572, 163.7196

■ 4.8023, 7.1276,  
10.3229

142.8836,  
168.7199, 203.5292

■ 2.1653, 3.5420,  
5.5052

177.6295,  
208.0910, 249.3194

■ 0.7244, 1.4208,  
2.4827

217.5958,

■ 0.0000, 0.2320,

253.1548, 301.5089

0.8310

263.1477,  
304.2957, 360.5162

■ 0.0000, 0.0000,  
0.0000

■ 34.6718, 43.8016,  
55.9174

■ 34.6718, 43.8016,  
55.9174

■ 32.3083, 42.4241,  
55.7768

■ 37.5587, 45.4515,  
56.0845

■ 30.4318, 41.2972,  
55.6582

■ 40.9946, 47.3840,  
56.2764

■ 29.0077, 40.4041,  
55.5609


■ 45.0082, 49.6149,  
56.4954


■ 27.9950, 39.7236,  
55.4829


■ 49.6251, 52.1573,  
56.7428


■ 27.3454, 39.2309,  
55.4221

■ 54.8693, 55.0236,  
57.0197


 26.9660, 38.8780,  
55.3739

 60.7636, 58.2257,  
57.3271

 26.9588, 38.8709,  
55.3730

 67.3294, 61.7745,  
57.6660

 69.7186, 63.1707,  
57.8096

 69.8299, 63.3931,  
57.8467

# Harmonies

## Analogous

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



34.3448, 43.8016, 43.9624



34.6718, 43.8016, 55.9174



36.7942, 43.8016, 67.2053

# Triad

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



34.6718, 43.8016, 55.9174



47.9809, 43.8016, 63.6262



42.9844, 43.8016, 28.7430

# Complementary

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



34.6718, 43.8016, 55.9174



30.9424, 25.0374, 19.4225

# 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.



46.8765, 43.8016, 32.3774



34.6718, 43.8016, 55.9174



49.8836, 43.8016, 51.6278

# Square

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



34.6718, 43.8016, 55.9174



44.4128, 43.8016, 72.1375



49.4666, 43.8016, 40.3165



38.9699, 43.8016, 29.5069



# Rectangle

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



34.6718, 43.8016, 55.9174



39.0235, 43.8016, 72.2144



49.4666, 43.8016, 40.3165



44.3544, 43.8016, 29.4645

# Sweetspot

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



34.6731, 43.8033, 55.9184



78.7861, 87.8499, 101.0834



28.8699, 42.1745, 23.2244



17.0862, 19.1720, 22.1853



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.



34.6731, 43.8033, 55.9184



58.2580, 76.2136, 99.9193



27.6602, 29.7775, 53.5808



9.7865, 10.7653, 12.2343



17.7264, 25.5646, 36.3931



0.7012, 1.0151, 1.4278



# Inverse Universe

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



36.8030, 27.0131, 51.4203



62.6457, 41.9845, 90.5720



36.1810, 35.5145, 21.1687



9.9188, 9.6918, 11.9616



19.9482, 9.6105, 31.3507

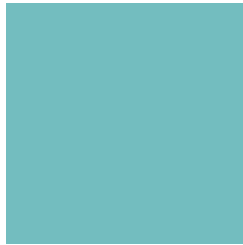


0.7848, 0.3778, 1.2462



# Previews

## White Background



This preview shows how the XYZ color 34.6718, 43.8016, 55.9174 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

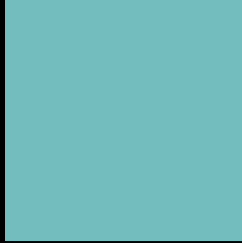
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6718, 43.8016, 55.9174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

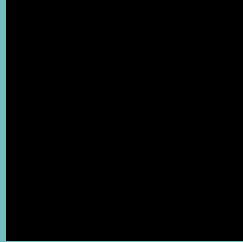
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.6718, 43.8016, 55.9174**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6718, 43.8016, 55.9174.



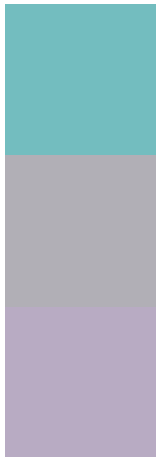
This preview shows how white text looks on a background with the XYZ color 34.6718, 43.8016,



# 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

34.6718, 43.8016, 55.9174

### Protanopia

41.9049, 43.3845, 50.4214

### Deuteranopia

44.1804, 43.2563, 57.6505



## Tritanopia

35.9022, 43.6565, 62.4114

# Trichromacy



**Original Color**

34.6718, 43.8016, 55.9174

**Protanomaly**

38.4046, 43.0153, 52.1776

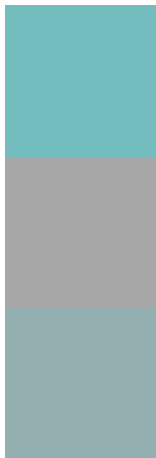
**Deuteranomaly**

39.9561, 43.1068, 57.2535

**Tritanomaly**

35.5124, 43.8256, 60.0136

# Monochromacy



**Original Color**

34.6718, 43.8016, 55.9174

**Achromatopsia**

36.7301, 38.6429, 42.0822

**Achromatomaly**

35.3792, 40.0904, 46.9478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6718, 43.8016, 55.9174 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(115, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(115, 189, 191)  
}
```

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(115, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 189, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6718, 43.8016, 55.9174 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(115, 189, 191) }
```



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

```
.border{ border-color:rgb(115, 189, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 189, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 189, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 189, 191);  
box-shadow:4px 4px 4px 4px rgb(115, 189,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6718, 43.8016, 55.9174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 189, 191) }
```

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

```
.background{ background-color: rgb(115,  
189, 191) }
```

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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