

Converting Colors

XYZ(35.4410, 51.8819, 40.7832)

Have a look what the booklet for
XYZ(35.4410, 51.8819, 40.7832)
contains.

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Color

**XYZ(35.3680, 51.7222,
40.9202)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD29F
RGB	107, 210, 159
RGB Percent	42%, 82%, 62%
CMY	0.5804, 0.1765, 0.3765
CMYK	0.49, 0.00, 0.24, 0.18
HSL	150°, 53%, 62%
HSV	150°, 49%, 82%
XYZ	35.3680, 51.7222, 40.9202
YIQ	173.3890, -45.0170, -37.6970

Conversions

Conversions Part 2

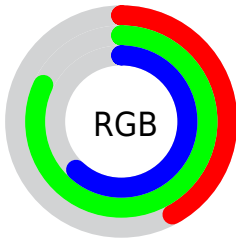
Format	Color
RYB	107, 175, 210
Decimal	7066271
CIELab	77.11, -41.72, 16.21
CIELCh	77, 44.761, 158.765
Yxy	51.7222, 0.2763, 0.4040
Android (android.graphics.Color)	4285256351 (0xFF6BD29F)
YUV	173.3890, -7.0938, -58.2232
Hunter-Lab	71.9181, -38.0738, 16.6077

Details

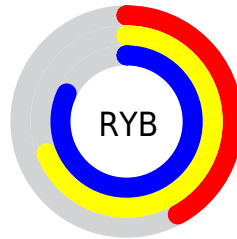
The XYZ color **35.3680, 51.7222, 40.9202** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.0093, 26.6868, 35.4974**, and the grayscale version is **39.9718, 42.0534, 45.7962**.

A 20% lighter version of the original color is **63.2074, 84.2676, 76.5522**, and **15.5475, 25.1086, 17.9369** is the 20% darker color. If you saturate the color by 10%, you get **32.2787, 50.2309, 36.2623**, and if you desaturate by 10%, it is **39.1491, 53.5641, 46.0090**.

Distribution



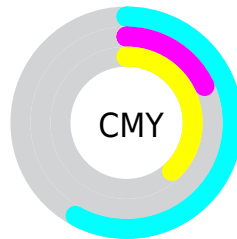
- Red (42%)
- Green (82%)
- Blue (62%)



- Red (42%)
- Yellow (69%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3680, 51.7222, 40.9202 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 35.3680, 51.7222, 40.9202 by changing the saturation by 10% instead.

 35.3680, 51.7222,
40.9202


 35.3680, 51.7222,
40.9202


317.6693,
393.3632, 365.6537


 24.1143, 36.7837,
27.9375


 67.3857, 92.7214,
77.8151


 15.5436, 25.0401,
18.0399


 88.8805, 119.5509,
102.5644

 9.2906, 16.1069,
10.8089


 114.5197,
151.1129, 132.0729

 4.9898, 9.5998,
5.8259

 144.6687,
187.7917, 166.7593

 2.2760, 5.1345,
2.6725

179.6928,
229.9717, 207.0420

 0.7823, 2.3264,
0.9295

219.9573,

 0.0000, 0.7876,

278.0374, 253.3396

0.0000

265.8277,
332.3731, 306.0707

■ 0.0000, 0.0000,
0.0000

■ 35.3680, 51.7222,
40.9202

■ 35.3680, 51.7222,
40.9202

■ 32.2787, 50.2309,
36.2623

■ 39.1491, 53.5641,
46.0090

■ 29.8299, 49.0599,
32.0199

■ 43.6603, 55.7720,
51.5366

■ 27.9698, 48.1840,
28.1816


■ 48.9417, 58.3679,
57.5150


■ 26.6358, 47.5712,
24.7340


■ 55.0295, 61.3700,
63.9546


■ 25.7269, 47.1697,
21.6613


■ 61.9573, 64.7956,
70.8656

 25.6501, 47.1361,
21.3871

 69.7568, 68.6609,
78.2576

 78.4582, 72.9812,
86.1401

 80.3431, 73.7773,
94.1598

 81.9516, 74.4207,
102.6303

Harmonies

Analogous

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



39.5645, 51.7222, 26.9939



35.3680, 51.7222, 40.9202



34.6307, 51.7222, 63.8035

Triad

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



35.3680, 51.7222, 40.9202



51.7094, 51.7222, 116.8780



63.1326, 51.7222, 31.6724

Complementary

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



35.3680, 51.7222, 40.9202



38.0093, 26.6868, 35.4974

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.



67.2735, 51.7222, 49.4397



35.3680, 51.7222, 40.9202



60.1944, 51.7222, 101.6088

Square

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



35.3680, 51.7222, 40.9202



43.4404, 51.7222, 112.6218



66.1401, 51.7222, 75.1591



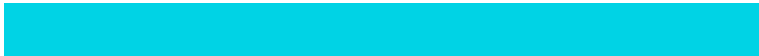
55.3616, 51.7222, 22.8322

Rectangle

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



35.3680, 51.7222, 40.9202



36.1059, 51.7222, 82.1612



66.1401, 51.7222, 75.1591



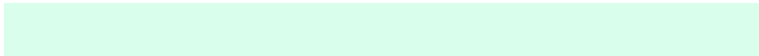
65.0339, 51.7222, 36.5545

Sweetspot

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



35.3694, 51.7243, 40.9214



79.4501, 92.2931, 93.0297



39.9012, 54.4769, 22.3226



16.5874, 19.5484, 19.4635



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.



35.3694, 51.7243, 40.9214



49.8226, 77.8119, 55.8428



40.7446, 53.8744, 69.2266



11.9017, 13.3044, 13.8389



15.6964, 28.7715, 13.3132



0.9177, 1.6247, 0.9553

Inverse Universe

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



38.0093, 26.6868, 35.4974



54.3872, 34.5283, 46.4705



34.4913, 25.2796, 16.9721



12.0493, 11.9045, 13.5354



17.7867, 8.9875, 9.0489



1.0346, 0.5185, 0.7169

Previews

White Background



This preview shows how the XYZ color 35.3680, 51.7222, 40.9202 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 35.3680, 51.7222, 40.9202 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

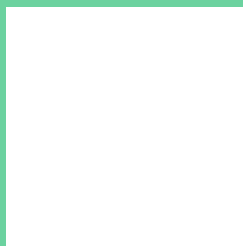
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3680, 51.7222, 40.9202

Background



This preview shows how black text looks on a background with the XYZ color 35.3680, 51.7222, 40.9202.



This preview shows how white text looks on a background with the XYZ color 35.3680, 51.7222,

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

35.3680, 51.7222, 40.9202

Protanopia

47.7098, 50.9826, 35.7598

Deuteranopia

51.8384, 50.7714, 42.6650



Tritanopia

41.9438, 51.5140, 74.0622

Trichromacy



Original Color

35.3680, 51.7222, 40.9202



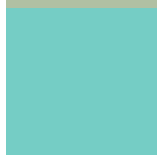
Protanomaly

41.6524, 50.4479, 37.6791



Deuteranomaly

43.3650, 49.5737, 41.9334



Tritanomaly

39.2455, 51.4758, 60.6907

Monochromacy



Original Color

35.3680, 51.7222, 40.9202



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.0212, 44.3345, 43.6520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3680, 51.7222, 40.9202 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(107, 210, 159)` looks like.

```
.text, #text, p{  
    color:rgb(107, 210, 159)  
}
```

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(107, 210, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 210, 159) }
```

Border

The CSS property to change the border of an element to XYZ 35.3680, 51.7222, 40.9202 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(107, 210, 159) }
```


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

```
.border{ border-color:rgb(107, 210, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 210, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 210, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 210, 159);  
box-shadow:4px 4px 4px 4px rgb(107, 210,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3680, 51.7222, 40.9202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 210, 159) }
```

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

```
.background{ background-color: rgb(107,  
210, 159) }
```

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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