

Converting Colors

XYZ(34.8750, 42.6606, 52.2119)

Have a look what the booklet for
XYZ(34.8750, 42.6606, 52.2119)
contains.

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Color

**XYZ(35.0080, 42.7899,
52.3131)**

Conversions

Conversions Part 1

Format	Color
Hex	80B9B9
RGB	128, 185, 185
RGB Percent	50%, 73%, 73%
CMY	0.4980, 0.2745, 0.2745
CMYK	0.31, 0.00, 0.00, 0.27
HSL	180°, 29%, 61%
HSV	180°, 31%, 73%
XYZ	35.0080, 42.7899, 52.3131
YIQ	167.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

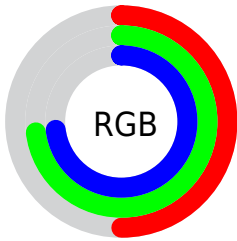
Format	Color
RYB	128, 157, 185
Decimal	8436153
CIELab	71.41, -18.37, -5.93
CIElCh	71, 19.301, 197.903
Yxy	42.7899, 0.2691, 0.3289
Android (android.graphics.Color)	4286626233 (0xFF80B9B9)
YUV	167.9570, 8.4022, -35.0423
Hunter-Lab	65.4140, -18.9456, -1.6258

Details

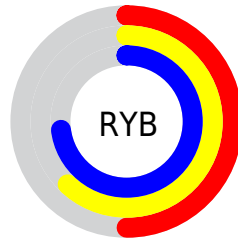
The XYZ color **35.0080, 42.7899, 52.3131** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.6245, 27.3124, 24.0287**, and the grayscale version is **37.1714, 39.1072, 42.5877**.

A 20% lighter version of the original color is **66.8609, 79.3287, 95.0071**, and **15.3966, 19.7050, 24.8217** is the 20% darker color. If you saturate the color by 10%, you get **32.4753, 41.4853, 52.1951**, and if you desaturate by 10%, it is **38.0505, 44.3594, 52.4568**.

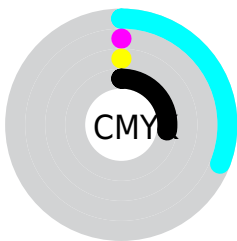
Distribution



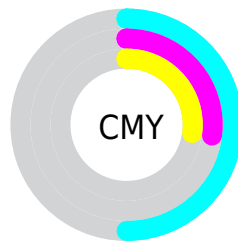
- Red (50%)
- Green (73%)
- Blue (73%)



- Red (50%)
- Yellow (62%)
- Blue (73%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)





- Cyan (50%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0080, 42.7899, 52.3131 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 35.0080, 42.7899, 52.3131 by changing the saturation by 10% instead.

 35.0080, 42.7899,
52.3131


 35.0080, 42.7899,
52.3131


316.1110,
357.7470, 412.6355


 23.8356, 29.7203,
36.8707


 66.8321, 79.3937,
95.0241

 15.3358, 19.6264,
24.8124


 88.2145, 103.6967,
123.1298

 9.1432, 12.1238,
15.7196


 113.7309,
132.5130, 156.2938

 4.8926, 6.8280,
9.1738

143.7467,
166.2269, 194.9345

 2.2185, 3.3548,
4.7563

178.6273,
205.2229, 239.4704

 0.7525, 1.3196,
2.0488

218.7380,

 0.0000, 0.1563,

249.8853, 290.3202

0.5850

264.4441,
300.5985, 347.9024

■ 0.0000, 0.0000,
0.0000

■ 35.0080, 42.7899,
52.3131

■ 35.0080, 42.7899,
52.3131

■ 32.4753, 41.4853,
52.1951

■ 38.0505, 44.3594,
52.4568

■ 30.4212, 40.4264,
52.0986

■ 41.6247, 46.2020,
52.6245

■ 28.8166, 39.5992,
52.0231

■ 45.7555, 48.3315,
52.8182

■ 27.6279, 38.9864,
51.9671

■ 50.4653, 50.7594,
53.0390

■ 26.8167, 38.5682,
51.9287

■ 55.7752, 53.4968,
53.2879

■ 26.3375, 38.3212,
51.9059

■ 61.7054, 56.5539,
53.5658

■ 26.1063, 38.2020,
51.8947

■ 67.3473, 59.4624,
53.8302

■ 67.3474, 59.4625,
53.8306

■ 67.3475, 59.4625,
53.8310

Harmonies

Analogous

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



34.8599, 42.7899, 42.9392



35.0080, 42.7899, 52.3131



36.6226, 42.7899, 61.1755

Triad

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



35.0080, 42.7899, 52.3131



45.4869, 42.7899, 59.6512



41.9945, 42.7899, 31.1881

Complementary

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



35.0080, 42.7899, 52.3131



31.6245, 27.3124, 24.0287

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.



45.0063, 42.7899, 34.5307



35.0080, 42.7899, 52.3131



47.0933, 42.7899, 50.4440

Square

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



35.0080, 42.7899, 52.3131



42.6223, 42.7899, 65.7850



46.9129, 42.7899, 41.3020



38.7792, 42.7899, 31.5486

Rectangle

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



35.0080, 42.7899, 52.3131



38.3643, 42.7899, 65.2227



46.9129, 42.7899, 41.3020



43.0674, 42.7899, 31.8954

Sweetspot

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



35.0093, 42.7916, 52.3141



75.7068, 83.3421, 94.3004



30.2922, 40.9214, 26.7250



16.1029, 17.8545, 20.3190



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.0093, 42.7916, 52.3141



59.5195, 74.9973, 93.5409



29.7936, 32.3599, 50.5767



9.2667, 10.2107, 11.5618



17.7753, 26.0111, 35.3342



0.6266, 0.9170, 1.2456

Inverse Universe

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



31.6245, 27.3124, 24.0287



52.4889, 42.8444, 34.7876



35.7185, 35.5005, 25.3927



9.0046, 9.0122, 9.3719



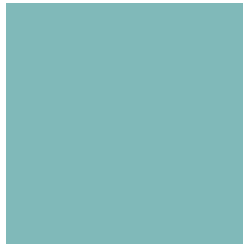
13.6234, 7.0231, 0.6377



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 35.0080, 42.7899, 52.3131 looks on a white background.

Color Contrast Check

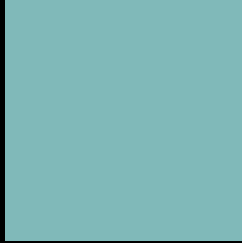
Large Text (above 18pt) WCAG AA × Fail

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 35.0080, 42.7899, 52.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

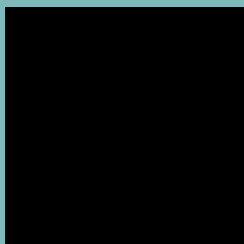
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

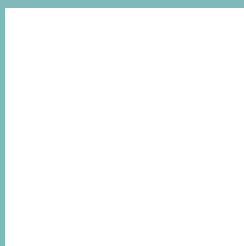
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0080, 42.7899, 52.3131

Background



This preview shows how black text looks on a background with the XYZ color 35.0080, 42.7899, 52.3131.

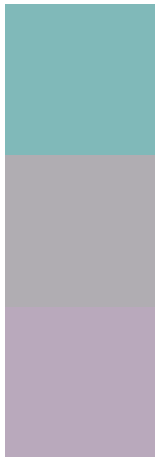


This preview shows how white text looks on a background with the XYZ color 35.0080, 42.7899,

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

35.0080, 42.7899, 52.3131

Protanopia

40.8839, 42.3316, 48.1355

Deuteranopia

43.2727, 42.3211, 53.4650



Tritanopia

36.4866, 42.7695, 59.7584

Trichromacy



Original Color

35.0080, 42.7899, 52.3131

Protanomaly

38.3607, 42.1514, 49.8303

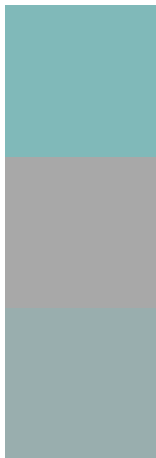
Deuteranomaly

39.6095, 42.1403, 53.0600

Tritanomaly

35.9720, 42.8771, 56.8322

Monochromacy



Original Color

35.0080, 42.7899, 52.3131

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.9129, 40.1004, 45.8917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0080, 42.7899, 52.3131 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(128, 185, 185)` looks like.

```
.text, #text, p{  
    color:rgb(128, 185, 185)  
}
```

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(128, 185, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 185, 185) }
```

Border

The CSS property to change the border of an element to XYZ 35.0080, 42.7899, 52.3131 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(128, 185, 185) }
```


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

```
.border{ border-color:rgb(128, 185, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 185, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 185, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 185, 185);  
box-shadow:4px 4px 4px 4px rgb(128, 185,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0080, 42.7899, 52.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 185, 185) }
```

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

```
.background{ background-color: rgb(128,  
185, 185) }
```

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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