

Converting Colors

XYZ(23.8998, 35.1559, 30.1551)

Have a look what the booklet for
XYZ(23.8998, 35.1559, 30.1551)
contains.

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Color

**XYZ(23.9354, 35.1316,
30.3305)**

Conversions

Conversions Part 1

Format	Color
Hex	52B18C
RGB	82, 177, 140
RGB Percent	32%, 69%, 55%
CMY	0.6784, 0.3059, 0.4510
CMYK	0.54, 0.00, 0.21, 0.31
HSL	157°, 38%, 51%
HSV	157°, 54%, 69%
XYZ	23.9354, 35.1316, 30.3305
YIQ	144.3770, -44.7430, -31.6470

Conversions

Conversions Part 2

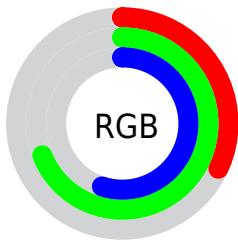
Format	Color
RYB	82, 141, 177
Decimal	5419404
CIELab	65.85, -37.06, 10.50
CIELCh	66, 38.520, 164.175
Yxy	35.1316, 0.2677, 0.3930
Android (android.graphics.Color)	4283609484 (0xFF52B18C)
YUV	144.3770, -2.1579, -54.7046
Hunter-Lab	59.2719, -31.6433, 11.1506

Details

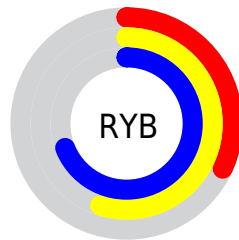
The XYZ color **23.9354, 35.1316, 30.3305** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.4796, 16.7143, 19.3898**, and the grayscale version is **26.6834, 28.0730, 30.5715**.

A 20% lighter version of the original color is **49.3578, 67.5761, 61.4810**, and **9.2501, 15.2550, 12.1298** is the 20% darker color. If you saturate the color by 10%, you get **22.0979, 34.2421, 27.6740**, and if you desaturate by 10%, it is **26.2037, 36.2413, 33.1750**.

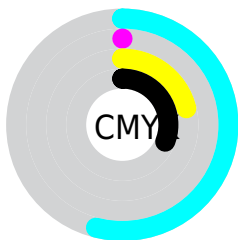
Distribution



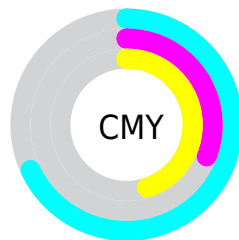
- Red (32%)
- Green (69%)
- Blue (55%)



- Red (32%)
- Yellow (55%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (21%)
- Black (31%)





- Cyan (68%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9354, 35.1316, 30.3305 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 23.9354, 35.1316, 30.3305 by changing the saturation by 10% instead.


 23.9354, 35.1316,
30.3305


 23.9354, 35.1316,
30.3305


264.9403,
325.1488, 317.6971


 15.4102, 23.7643,
19.8354


 49.3802, 67.6896,
61.2516


 9.1960, 15.1588,
12.0926


 67.0305, 89.6490,
82.5147

 4.9273, 8.9309,
6.6834


 88.4532, 115.9080,
108.2043

 2.2390, 4.6962,
3.1895

 114.0137,
146.8508, 138.7387

 0.7632, 2.0701,
1.1922

144.0773,
182.8619, 174.5367

 0.0000, 0.6477,
0.0000

179.0093,

 0.0000, 0.0000,

224.3257, 216.0168

0.0000

219.1752,
271.6265, 263.5974

■ 23.9354, 35.1316,
30.3305

■ 23.9354, 35.1316,
30.3305

■ 22.0979, 34.2421,
27.6740

■ 26.2037, 36.2413,
33.1750

■ 20.6565, 33.5524,
25.1985

■ 28.9283, 37.5815,
36.2093

■ 19.5757, 33.0450,
22.9001

■ 32.1362, 39.1671,
39.4384

■ 18.8119, 32.6975,
20.7735

■ 35.8511, 41.0102,
42.8660

■ 18.4329, 32.5297,
19.5123

■ 40.0955, 43.1223,
46.4961

■ 44.8901, 45.5141,
50.3322

■ 50.2549, 48.1957,
54.3779

■ 56.2085, 51.1768,
58.6366

■ 62.7689, 54.4666,
63.1116

Harmonies

Analogous

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



26.3350, 35.1316, 19.8977



23.9354, 35.1316, 30.3305



23.8702, 35.1316, 46.4473

Triad

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



23.9354, 35.1316, 30.3305



36.1422, 35.1316, 77.3685



41.8662, 35.1316, 20.3130

Complementary

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



23.9354, 35.1316, 30.3305



24.4796, 16.7143, 19.3898

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.



45.1580, 35.1316, 31.0829



23.9354, 35.1316, 30.3305



41.6078, 35.1316, 65.4031

Square

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



23.9354, 35.1316, 30.3305



30.4969, 35.1316, 76.9958



45.0584, 35.1316, 47.4458



36.4638, 35.1316, 15.3373

Rectangle

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



23.9354, 35.1316, 30.3305



25.1356, 35.1316, 58.6833



45.0584, 35.1316, 47.4458



43.2822, 35.1316, 23.2170

Sweetspot

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



23.9364, 35.1330, 30.3313



62.3854, 72.5408, 75.1372



24.9919, 36.0481, 13.6237



13.2261, 15.5749, 16.0154



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.9364, 35.1330, 30.3313



39.1662, 61.1273, 48.9116



25.3270, 32.7905, 46.5910



8.5996, 9.5743, 10.1512



13.3852, 23.5800, 14.2970



0.4487, 0.7530, 0.5951

Inverse Universe

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



24.4796, 16.7143, 19.3898



40.2581, 24.7573, 27.4012



23.4394, 17.5250, 10.1302



8.6288, 8.5583, 9.5438



13.9417, 7.0942, 4.8531



0.4678, 0.2349, 0.3059

Previews

White Background



This preview shows how the XYZ color 23.9354, 35.1316, 30.3305 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 23.9354, 35.1316, 30.3305 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 23.9354, 35.1316, 30.3305

Background



This preview shows how black text looks on a background with the XYZ color 23.9354, 35.1316, 30.3305.



This preview shows how white text looks on a background with the XYZ color 23.9354, 35.1316,

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

23.9354, 35.1316, 30.3305

Protanopia

32.6433, 34.7598, 26.4616

Deuteranopia

35.0925, 34.4105, 31.5804



Tritanopia

28.1437, 35.1154, 51.1936

Trichromacy



Original Color

23.9354, 35.1316, 30.3305

Protanomaly

28.2558, 34.3120, 27.6879

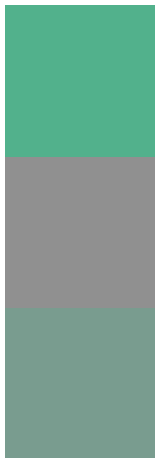
Deuteranomaly

29.3799, 33.7531, 30.9531

Tritanomaly

26.4194, 34.9759, 42.8947

Monochromacy



Original Color

23.9354, 35.1316, 30.3305

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.7315, 29.8251, 30.4399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9354, 35.1316, 30.3305 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(82, 177, 140)` looks like.

```
.text, #text, p{  
    color:rgb(82, 177, 140)  
}
```

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(82, 177, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 177, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.9354, 35.1316, 30.3305 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(82, 177, 140) }
```


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

```
.border{ border-color:rgb(82, 177, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 177, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 177, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 177, 140);  
box-shadow:4px 4px 4px 4px rgb(82, 177,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9354, 35.1316, 30.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 177, 140) }
```

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

```
.background{ background-color: rgb(82, 177,  
140) }
```

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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