

Converting Colors

XYZ(32.1910, 33.3995, 45.8792)

Have a look what the booklet for
XYZ(32.1910, 33.3995, 45.8792)
contains.

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Color

**XYZ(32.1194, 33.3011,
45.8092)**

Conversions

Conversions Part 1	
Format	Color
Hex	959CB0
RGB	149, 156, 176
RGB Percent	58%, 61%, 69%
CMY	0.4157, 0.3882, 0.3098
CMYK	0.15, 0.11, 0.00, 0.31
HSL	224°, 15%, 64%
HSV	224°, 15%, 69%
XYZ	32.1194, 33.3011, 45.8092
YIQ	156.1870, -10.5920, 4.7360

Conversions

Conversions Part 2

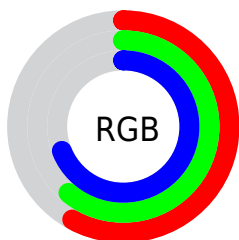
Format	Color
RYB	149, 155, 176
Decimal	9804976
CIELab	64.40, 1.70, -11.24
CIELCh	64, 11.363, 278.598
Yxy	33.3011, 0.2888, 0.2994
Android (android.graphics.Color)	4287995056 (0xFF959CB0)
YUV	156.1870, 9.7678, -6.3030
Hunter-Lab	57.7071, -1.6355, -6.6708

Details

The XYZ color **32.1194, 33.3011, 45.8092** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5176, 39.7759, 34.1347**, and the grayscale version is **31.6454, 33.2934, 36.2565**.

A 20% lighter version of the original color is **62.2407, 64.6159, 85.5356**, and **13.6637, 14.1299, 20.7461** is the 20% darker color. If you saturate the color by 10%, you get **27.0766, 27.6273, 44.9804**, and if you desaturate by 10%, it is **37.8843, 39.6974, 46.7405**.

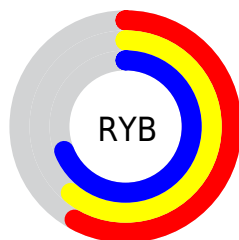
Distribution



Red (58%)

Green (61%)

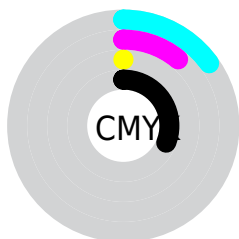
Blue (69%)



Red (58%)

Yellow (61%)

Blue (69%)

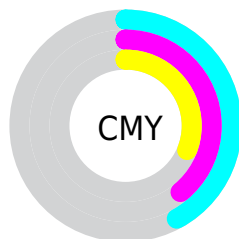


Cyan (15%)

Magenta (11%)

Yellow (0%)

Black (31%)



Cyan (42%)

Magenta (39%)


Yellow (31%)


Brightness & Saturation

Gradients


These gradients show how the XYZ color 32.1194, 33.3011, 45.8092 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 32.1194, 33.3011, 45.8092 by changing the saturation by 10% instead.


 32.1194, 33.3011,
45.8092


 32.1194, 33.3011,
45.8092


303.3984,
317.0043, 386.2963

 21.6087, 22.3572,
31.7477


 62.3622, 64.8453,
85.2646

 13.6847, 14.1196,
20.9056


 82.8249, 86.2145,
111.4957

 7.9819, 8.2039,
12.8645


107.3358,
111.8275, 142.6203

 4.1351, 4.2257,
7.2057

136.2600,
142.0687, 179.0571

 1.7788, 1.8006,
3.5107

169.9631,
177.3227, 221.2245

 0.5049, 0.4875,
1.3609


208.8102,


 0.0000, 0.0000,


217.9736, 269.5412


0.1110


253.1669,
264.4061, 324.4256


 0.0000, 0.0000,
0.0000


 32.1194, 33.3011,
45.8092


 32.1194, 33.3011,
45.8092

 27.0766, 27.6273,
44.9804


 37.8843, 39.6974,
46.7405


 22.7238, 22.6458,
44.2483


 44.3956, 46.8367,
47.7753


 19.0308, 18.3307,
43.6100

 51.6803, 54.7437,
48.9176

 15.9642, 14.6523,
43.0616

 59.7630, 63.4407,
50.1703

 13.4872, 11.5789,
42.5989

 68.6673, 72.9492,
51.5363

■ 11.5591, 9.0756,
42.2174

■ 78.4157, 83.2897,
53.0184

■ 10.1336, 7.1038,
41.9119

■ 82.4154, 91.0722,
54.3098

■ 9.1546, 5.6183,
41.6768

■ 84.8366, 95.9146,
55.1169

■ 8.7996, 5.0608,
41.5879

Harmonies

Analogous

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



30.5291, 33.3011, 45.2103



32.1194, 33.3011, 45.8092



33.6339, 33.3011, 43.6837

Triad

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



32.1194, 33.3011, 45.8092



34.1478, 33.3011, 30.9764



28.8407, 33.3011, 33.1019

Complementary

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



32.1194, 33.3011, 45.8092



37.5176, 39.7759, 34.1347

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.



29.7489, 33.3011, 29.7276



32.1194, 33.3011, 45.8092



32.8014, 33.3011, 28.5752

Square

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



32.1194, 33.3011, 45.8092



34.8309, 33.3011, 34.9426



31.1886, 33.3011, 28.1383



28.6721, 33.3011, 37.6086

Rectangle

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



32.1194, 33.3011, 45.8092



34.3841, 33.3011, 41.1063



31.1886, 33.3011, 28.1383



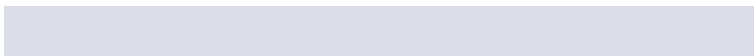
29.0681, 33.3011, 31.8090

Sweetspot

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



32.1204, 33.3025, 45.8099



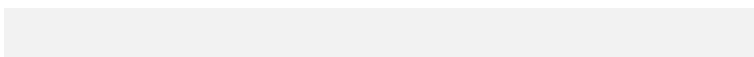
68.9904, 72.3077, 84.8159



35.0631, 40.2979, 43.3686



14.7864, 15.4883, 18.3546



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.



32.1204, 33.3025, 45.8099



55.3997, 57.2028, 82.6167



32.1599, 31.6286, 45.4848



8.2152, 8.5766, 10.7288



6.4977, 3.7958, 30.5272



0.2527, 0.2159, 0.9766

Inverse Universe

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



34.6535, 33.1261, 36.0216



60.7942, 56.9071, 61.7536



37.4636, 41.7339, 34.5155



8.5838, 8.5402, 9.3068



13.5144, 6.9233, 2.6029



0.4496, 0.2276, 0.2101

Previews

White Background



This preview shows how the XYZ color 32.1194, 33.3011, 45.8092 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 32.1194, 33.3011, 45.8092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

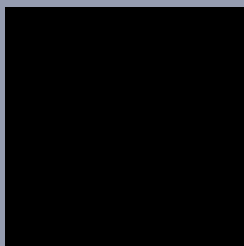
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

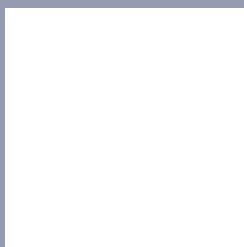
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1194, 33.3011, 45.8092

Background



This preview shows how black text looks on a background with the XYZ color 32.1194, 33.3011, 45.8092.



This preview shows how white text looks on a background with the XYZ color 32.1194, 33.3011,

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

32.1194, 33.3011, 45.8092

Protanopia

32.5961, 33.3101, 45.2689

Deuteranopia

33.8620, 33.2079, 46.2200



Tritanopia

31.5254, 33.3121, 42.7985

Trichromacy



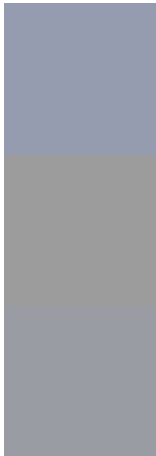
Original Color
32.1194, 33.3011, 45.8092

Protanomaly
32.4081, 33.2132, 45.2601

Deuteranomaly
33.2317, 33.1249, 46.2372

Tritanomaly
31.7161, 33.3884, 43.8027

Monochromacy



Original Color
32.1194, 33.3011, 45.8092

Achromatopsia
31.5995, 33.2452, 36.2040

Achromatomaly
31.6362, 33.1936, 39.3899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1194, 33.3011, 45.8092 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(149, 156, 176) looks like.

```
.text, #text, p{  
    color:rgb(149, 156, 176)  
}
```

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(149, 156, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 156, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.1194, 33.3011, 45.8092 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(149, 156, 176) }
```


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

```
.border{ border-color:rgb(149, 156, 176) }
```

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

Here you see how a box with a 4 pixel rgb(149, 156, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 156, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 156, 176);  
box-shadow:4px 4px 4px 4px rgb(149, 156,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1194, 33.3011, 45.8092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 156, 176) }
```

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

```
.background{ background-color: rgb(149,  
156, 176) }
```

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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