

Converting Colors

XYZ(32.7302, 33.2019, 44.9919)

Have a look what the booklet for
XYZ(32.7302, 33.2019, 44.9919)
contains.

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Color

**XYZ(32.8110, 33.1749,
45.2315)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9AAF
RGB	155, 154, 175
RGB Percent	61%, 60%, 69%
CMY	0.3922, 0.3961, 0.3137
CMYK	0.11, 0.12, 0.00, 0.31
HSL	243°, 12%, 65%
HSV	243°, 12%, 69%
XYZ	32.8110, 33.1749, 45.2315
YIQ	156.6930, -6.1450, 6.7430

Conversions

Conversions Part 2

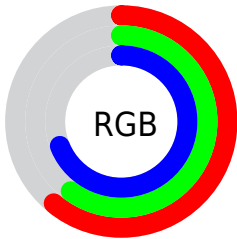
Format	Color
RYB	155, 154, 175
Decimal	10197679
CIELab	64.30, 4.62, -10.78
CIELCh	64, 11.726, 293.198
Yxy	33.1749, 0.2950, 0.2983
Android (android.graphics.Color)	4288387759 (0xFF9B9AAF)
YUV	156.6930, 9.0254, -1.4848
Hunter-Lab	57.5977, 0.8882, -6.2421

Details

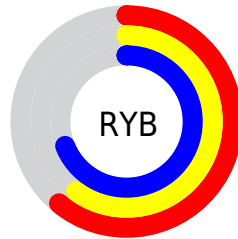
The XYZ color **32.8110, 33.1749, 45.2315** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.6195, 41.9926, 36.6434**, and the grayscale version is **31.8735, 33.5334, 36.5179**.

A 20% lighter version of the original color is **63.5580, 64.5829, 84.7172**, and **14.1343, 14.0736, 20.7104** is the 20% darker color. If you saturate the color by 10%, you get **27.1496, 26.2774, 44.1991**, and if you desaturate by 10%, it is **39.3371, 41.1450, 46.4264**.

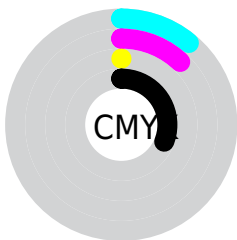
Distribution



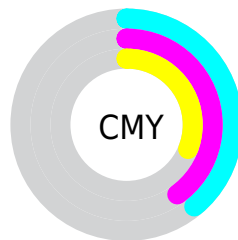
- Red (61%)
- Green (60%)
- Blue (69%)



- Red (61%)
- Yellow (60%)
- Blue (69%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)



- Cyan (39%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8110, 33.1749, 45.2315 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 32.8110, 33.1749, 45.2315 by changing the saturation by 10% instead.

■ 32.8110, 33.1749,
45.2315

■ 32.8110, 33.1749,
45.2315

306.4773,
316.4371, 383.8978

■ 22.1402, 22.2605,
31.2955

■ 63.4370, 64.6485,
84.3898

■ 14.0772, 14.0484,
20.5636

■ 84.1229, 85.9764,
110.4493

■ 8.2564, 8.1543,
12.6173

108.8780,
111.5444, 141.3869

■ 4.3126, 4.1939,
7.0379

138.0675,
141.7366, 177.6214

■ 1.8805, 1.7826,
3.4070

172.0568,
176.9376, 219.5711

■ 0.5655, 0.4763,
1.3060

211.2113,

■ 0.0000, 0.0000,

217.5318, 267.6548

0.0667

255.8964,
263.9035, 322.2908

■ 0.0000, 0.0000,
0.0000

■ 32.8110, 33.1749,
45.2315

■ 32.8110, 33.1749,
45.2315

■ 27.1496, 26.2774,
44.1991

■ 39.3371, 41.1450,
46.4264

■ 22.3138, 20.4028,
43.3200

■ 46.7589, 50.2264,
47.7882

■ 18.2659, 15.5036,
42.5877

■ 55.1096, 60.4610,
49.3235

■ 14.9641, 11.5270,
41.9942

■ 64.4196, 71.8871,
51.0383

■ 12.3628, 8.4153,
41.5307

■ 74.7183, 84.5414,
52.9380

■ 10.4114, 6.1040,
41.1874

■ 84.7380, 95.8752,
54.5975

■ 9.0524, 4.5198,
40.9533

■ 8.2183, 3.5760,
40.8150

■ 7.8420, 3.1488,
40.7524

Harmonies

Analogous

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



31.1537, 33.1749, 46.0231



32.8110, 33.1749, 45.2315



34.1680, 33.1749, 41.9036

Triad

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



32.8110, 33.1749, 45.2315



33.4908, 33.1749, 29.2601



28.4555, 33.1749, 35.0456

Complementary

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



32.8110, 33.1749, 45.2315



38.6195, 41.9926, 36.6434

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.



29.0347, 33.1749, 30.8980



32.8110, 33.1749, 45.2315



31.9129, 33.1749, 27.7534

Square

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



32.8110, 33.1749, 45.2315



34.5700, 33.1749, 32.6259



30.2862, 33.1749, 28.3256



28.6769, 33.1749, 39.8590

Rectangle

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



32.8110, 33.1749, 45.2315



34.7002, 33.1749, 38.8404



30.2862, 33.1749, 28.3256



28.5623, 33.1749, 33.5332

Sweetspot

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



32.8120, 33.1763, 45.2322



67.9007, 70.5720, 82.6799



36.2594, 40.3541, 46.4360



14.8919, 15.4413, 18.3399



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.



32.8120, 33.1763, 45.2322



56.3570, 56.4809, 80.5684



34.8533, 34.2286, 45.3278



7.6128, 7.7747, 10.0521



5.6308, 2.2627, 29.1845



0.1678, 0.0687, 0.8124

Inverse Universe

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



36.8759, 35.2826, 44.9127



64.8683, 60.8927, 79.8840



36.4323, 40.8651, 36.5410



8.3204, 8.1414, 9.9980



17.6414, 8.5191, 26.8209



0.4957, 0.2390, 0.7720

Previews

White Background



This preview shows how the XYZ color 32.8110, 33.1749, 45.2315 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 32.8110, 33.1749, 45.2315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

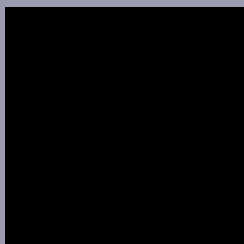
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8110, 33.1749, 45.2315

Background



This preview shows how black text looks on a background with the XYZ color 32.8110, 33.1749, 45.2315.



This preview shows how white text looks on a background with the XYZ color 32.8110, 33.1749,

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

32.8110, 33.1749, 45.2315

Protanopia

32.5961, 33.3101, 45.2689

Deuteranopia

33.8664, 33.2330, 45.1871



Tritanopia

32.1157, 33.1399, 41.7497

Trichromacy



Original Color

32.8110, 33.1749, 45.2315

Protanomaly

32.7856, 33.4079, 45.2778

Deuteranomaly

33.4272, 33.2485, 45.2132

Tritanomaly

32.3985, 33.2530, 43.2390

Monochromacy



Original Color

32.8110, 33.1749, 45.2315

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.2996, 33.5252, 39.8906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8110, 33.1749, 45.2315 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(155, 154, 175)` looks like.

```
.text, #text, p{  
    color:rgb(155, 154, 175)  
}
```

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(155, 154, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 154, 175) }
```

Border

The CSS property to change the border of an element to XYZ 32.8110, 33.1749, 45.2315 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(155, 154, 175) }
```


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

```
.border{ border-color:rgb(155, 154, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 154, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 154, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 154, 175);  
box-shadow:4px 4px 4px 4px rgb(155, 154,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8110, 33.1749, 45.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 154, 175) }
```

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

```
.background{ background-color: rgb(155,  
154, 175) }
```

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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