

Converting Colors

XYZ(32.7329, 33.0171, 45.6387)

Have a look what the booklet for
XYZ(32.7329, 33.0171, 45.6387)
contains.

XYZ(32.9096, 33.2144, 45.7508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.9096, 33.2144,
45.7508)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9AB0
RGB	155, 154, 176
RGB Percent	61%, 60%, 69%
CMY	0.3922, 0.3961, 0.3098
CMYK	0.12, 0.12, 0.00, 0.31
HSL	243°, 12%, 65%
HSV	243°, 12%, 69%
XYZ	32.9096, 33.2144, 45.7508
YIQ	156.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

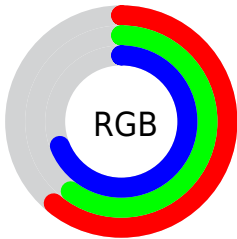
Format	Color
RYB	155, 154, 176
Decimal	10197680
CIELab	64.33, 4.83, -11.29
CIELCh	64, 12.283, 293.169
Yxy	33.2144, 0.2942, 0.2969
Android (android.graphics.Color)	4288387760 (0xFF9B9AB0)
YUV	156.8070, 9.4621, -1.5847
Hunter-Lab	57.6319, 1.0731, -6.7247

Details

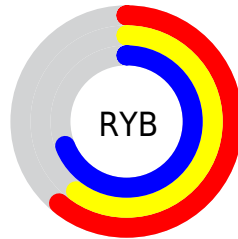
The XYZ color **32.9096, 33.2144, 45.7508** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.0386, 42.4987, 36.7191**, and the grayscale version is **31.9229, 33.5853, 36.5744**.

A 20% lighter version of the original color is **63.6997, 64.6396, 85.4633**, and **14.1343, 14.0736, 20.7104** is the 20% darker color. If you saturate the color by 10%, you get **27.2119, 26.2772, 44.7126**, and if you desaturate by 10%, it is **39.4840, 41.2376, 46.9534**.

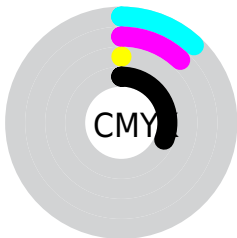
Distribution



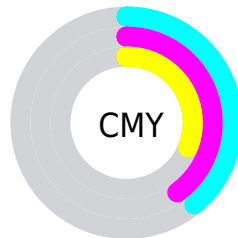
- Red (61%)
- Green (60%)
- Blue (69%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9096, 33.2144, 45.7508 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 32.9096, 33.2144, 45.7508 by changing the saturation by 10% instead.

■ 32.9096, 33.2144,
45.7508

■ 32.9096, 33.2144,
45.7508

306.9144,
316.6147, 386.0543

■ 22.2161, 22.2907,
31.7020

■ 63.5900, 64.7101,
85.1763

■ 14.1333, 14.0707,
20.8710

■ 84.3076, 86.0510,
111.3900

■ 8.2957, 8.1698,
12.8394

109.0973,
111.6330, 142.4958

■ 4.3382, 4.2038,
7.1887

138.3244,
141.8406, 178.9121

■ 1.8952, 1.7882,
3.5001

172.3543,
177.0582, 221.0576

■ 0.5740, 0.4798,
1.3553

211.5524,

■ 0.0000, 0.0000,

217.6701, 269.3508

0.1065

256.2840,
264.0609, 324.2102

■ 0.0000, 0.0000,
0.0000

■ 32.9096, 33.2144,
45.7508

■ 32.9096, 33.2144,
45.7508

■ 27.2119, 26.2772,
44.7126

■ 39.4840, 41.2376,
46.9534

■ 22.3509, 20.3753,
43.8296

■ 46.9666, 50.3861,
48.3249

■ 18.2882, 15.4603,
43.0951

■ 55.3915, 60.7027,
49.8722

■ 14.9811, 11.4785,
42.5008

■ 64.7896, 72.2263,
51.6011

■ 12.3828, 8.3707,
42.0379

■ 75.1907, 84.9944,
53.5174

■ 10.4415, 6.0711,
41.6963

■ 84.8366, 95.9146,
55.1168

■ 9.0983, 4.5048,
41.4648

■ 8.2836, 3.5826,
41.3297

■ 7.9364, 3.1861,
41.2715

Harmonies

Analogous

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



31.1714, 33.2144, 46.5836



32.9096, 33.2144, 45.7508



34.3353, 33.2144, 42.2443

Triad

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



32.9096, 33.2144, 45.7508



33.6262, 33.2144, 28.9976



28.3498, 33.2144, 35.0326

Complementary

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



32.9096, 33.2144, 45.7508



39.0386, 42.4987, 36.7191

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.



28.9560, 33.2144, 30.6985



32.9096, 33.2144, 45.7508



31.9705, 33.2144, 27.4283

Square

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



32.9096, 33.2144, 45.7508



34.7596, 33.2144, 32.5099



30.2659, 33.2144, 28.0211



28.5804, 33.2144, 40.0839

Rectangle

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



32.9096, 33.2144, 45.7508



34.8953, 33.2144, 39.0228



30.2659, 33.2144, 28.0211



28.4617, 33.2144, 33.4500

Sweetspot

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



32.9106, 33.2158, 45.7515



69.6286, 72.3704, 84.7944



36.5459, 40.7693, 47.0179



14.8904, 15.4405, 18.3398



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.



32.9106, 33.2158, 45.7515



56.6754, 56.5701, 82.4273



35.0633, 34.3256, 45.8523



8.0764, 8.2479, 10.6727



5.8366, 2.3447, 30.2819



0.1954, 0.0798, 0.9533

Inverse Universe

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



37.1992, 35.4380, 45.4390



66.0000, 61.4023, 81.7279



36.7241, 41.3055, 36.6107



8.8331, 8.6399, 10.6193



18.3302, 8.8496, 27.9622



0.5818, 0.2805, 0.9065

Previews

White Background



This preview shows how the XYZ color 32.9096, 33.2144, 45.7508 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 32.9096, 33.2144, 45.7508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

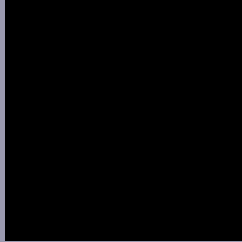
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9096, 33.2144, 45.7508

Background



This preview shows how black text looks on a background with the XYZ color 32.9096, 33.2144, 45.7508.



This preview shows how white text looks on a background with the XYZ color 32.9096, 33.2144,

45.7508.

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

32.9096, 33.2144, 45.7508

Protanopia

32.6947, 33.3496, 45.7882

Deuteranopia

33.7627, 33.1681, 45.6969



Tritanopia

32.1157, 33.1399, 41.7497

Trichromacy



Original Color

32.9096, 33.2144, 45.7508

Protanomaly

32.8842, 33.4473, 45.7971

Deuteranomaly

33.5258, 33.2880, 45.7325

Tritanomaly

32.3985, 33.2530, 43.2390

Monochromacy



Original Color

32.9096, 33.2144, 45.7508

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 32.9096, 33.2144, 45.7508 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(155, 154, 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(155, 154, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 154, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.9096, 33.2144, 45.7508 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, 176) }
```


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

```
.border{ border-color:rgb(155, 154, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 154, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 154, 176);  
box-shadow:4px 4px 4px 4px rgb(155, 154,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9096, 33.2144, 45.7508 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, 176) }
```

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

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