

Converting Colors

XYZ(31.5016, 29.6274, 45.1828)

Have a look what the booklet for
XYZ(31.5016, 29.6274, 45.1828)
contains.

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Color

**XYZ(31.6100, 29.7497,
45.1505)**

Conversions

Conversions Part 1

Format	Color
Hex	9E8EB0
RGB	158, 142, 176
RGB Percent	62%, 56%, 69%
CMY	0.3804, 0.4431, 0.3098
CMYK	0.10, 0.19, 0.00, 0.31
HSL	268°, 18%, 62%
HSV	268°, 19%, 69%
XYZ	31.6100, 29.7497, 45.1505
YIQ	150.6600, -1.3780, 13.9660

Conversions

Conversions Part 2

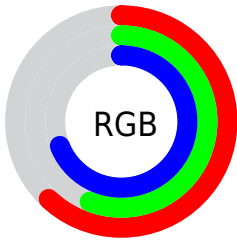
Format	Color
RYB	158, 142, 176
Decimal	10391216
CIELab	61.44, 12.63, -15.63
CIELCh	61, 20.096, 308.952
Yxy	29.7497, 0.2968, 0.2793
Android (android.graphics.Color)	4288581296 (0xFF9E8EB0)
YUV	150.6600, 12.4926, 6.4372
Hunter-Lab	54.5433, 7.9971, -10.8995

Details

The XYZ color **31.6100, 29.7497, 45.1505** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.9061, 40.4780, 31.5659**, and the grayscale version is **29.2198, 30.7415, 33.4774**.

A 20% lighter version of the original color is **61.7460, 59.4522, 84.5650**, and **13.3462, 12.1485, 20.3804** is the 20% darker color. If you saturate the color by 10%, you get **27.4316, 24.0111, 44.2635**, and if you desaturate by 10%, it is **36.3427, 36.3894, 46.1831**.

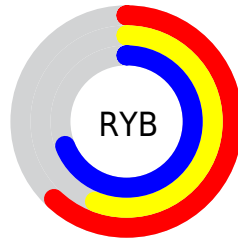
Distribution



Red (62%)

Green (56%)

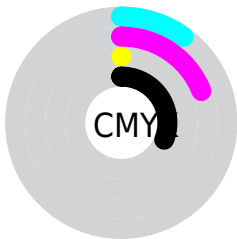
Blue (69%)



Red (62%)

Yellow (56%)

Blue (69%)

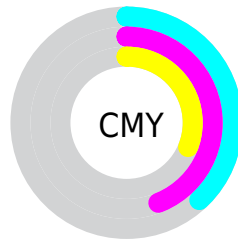


Cyan (10%)

Magenta (19%)

Yellow (0%)

Black (31%)



Cyan (38%)

Magenta (44%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6100, 29.7497, 45.1505 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 31.6100, 29.7497, 45.1505 by changing the saturation by 10% instead.

■ 31.6100, 29.7497,
45.1505

■ 31.6100, 29.7497,
45.1505

301.1158,
300.7360, 383.5606

■ 21.2179, 19.6487,
31.2322

■ 61.5685, 59.2661,
84.2670

■ 13.3967, 12.1399,
20.5158

■ 81.8656, 79.4503,
110.3024

■ 7.7812, 6.8390,
12.5827

■ 106.1951,
103.7643, 141.2137

■ 4.0059, 3.3616,
7.0145

134.9224,
132.5926, 177.4197

■ 1.7055, 1.3233,
3.3926

168.4127,
166.3195, 219.3389

■ 0.4597, 0.1592,
1.2984

207.0315,

■ 0.0000, 0.0000,

205.3295, 267.3897

0.0605

251.1440,
250.0068, 321.9908

■ 0.0000, 0.0000,
0.0000

■ 31.6100, 29.7497,
45.1505

■ 31.6100, 29.7497,
45.1505

■ 27.4316, 24.0111,
44.2635

■ 36.3427, 36.3894,
46.1831

■ 23.7823, 19.1295,
43.5136

■ 41.6480, 43.9641,
47.3656

■ 20.6390, 15.0628,
42.8943

■ 47.5467, 52.5106,
48.7043

■ 17.9755, 11.7636,
42.3979

■ 54.0577, 62.0625,
50.2048

■ 15.7632, 9.1794,
42.0157

■ 61.1990, 72.6518,
51.8724

■ 13.9696, 7.2511,
41.7380

■ 68.9878, 84.3090,
53.7119

■ 12.5575, 5.9091,
41.5534

■ 74.0985, 90.3790,
54.6142

■ 11.4572, 5.0205,
41.4399

■ 77.0531, 91.9021,
54.7525

■ 11.3879, 4.9654,
41.4329

■ 80.1682, 93.5080,
54.8983

Harmonies

Analogous

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



29.0784, 29.7497, 49.0956



31.6100, 29.7497, 45.1505



33.3155, 29.7497, 37.9346

Triad

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



31.6100, 29.7497, 45.1505



30.1504, 29.7497, 20.5694



23.5253, 29.7497, 34.7221

Complementary

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



31.6100, 29.7497, 45.1505



34.9061, 40.4780, 31.5659

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.



23.7726, 29.7497, 27.4181



31.6100, 29.7497, 45.1505



27.4889, 29.7497, 19.9856

Square

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



31.6100, 29.7497, 45.1505



32.4368, 29.7497, 24.0397



25.1854, 29.7497, 22.2971



24.4875, 29.7497, 42.4852

Rectangle

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



31.6100, 29.7497, 45.1505



33.6961, 29.7497, 32.6606



25.1854, 29.7497, 22.2971



23.4711, 29.7497, 32.1256

Sweetspot

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



31.6109, 29.7510, 45.1512



68.8880, 70.2213, 84.4186



31.5868, 34.0743, 45.9869



14.8009, 15.0356, 18.2664



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.



31.6109, 29.7510, 45.1512



54.1152, 49.5113, 81.1998



35.1596, 31.5804, 45.3172



8.4095, 8.4196, 10.6883



8.4219, 3.6775, 30.4029



0.3325, 0.1505, 0.9598

Inverse Universe

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



33.9237, 31.1155, 37.4771



59.1174, 52.4636, 64.5543



31.7597, 38.8560, 31.4187



8.6781, 8.5779, 9.8031



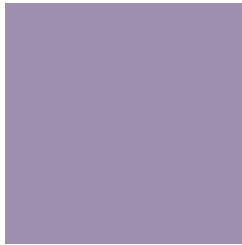
14.6222, 7.3665, 8.4366



0.4893, 0.2435, 0.4191

Previews

White Background



This preview shows how the XYZ color 31.6100, 29.7497, 45.1505 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6100, 29.7497, 45.1505 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 × Fail

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

XYZ 31.6100, 29.7497, 45.1505

Background



This preview shows how black text looks on a background with the XYZ color 31.6100, 29.7497, 45.1505.



This preview shows how white text looks on a background with the XYZ color 31.6100, 29.7497,

45.1505.

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

31.6100, 29.7497, 45.1505

Protanopia

29.5549, 29.7848, 46.8392

Deuteranopia

30.4409, 29.8300, 44.7108



Tritanopia

29.7288, 29.6537, 36.0551

Trichromacy



Original Color

31.6100, 29.7497, 45.1505

Protanomaly

30.1939, 29.6682, 46.2546

Deuteranomaly

30.8480, 29.8140, 44.6862

Tritanomaly

30.3844, 29.6948, 39.2522

Monochromacy



Original Color

31.6100, 29.7497, 45.1505

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.2615, 30.5879, 37.5668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6100, 29.7497, 45.1505 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(158, 142, 176)` looks like.

```
.text, #text, p{  
    color:rgb(158, 142, 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(158, 142, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 142, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.6100, 29.7497, 45.1505 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(158, 142, 176) }
```


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

```
.border{ border-color:rgb(158, 142, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 142, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 142, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 142, 176);  
box-shadow:4px 4px 4px 4px rgb(158, 142,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6100, 29.7497, 45.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 142, 176) }
```

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

```
.background{ background-color: rgb(158,  
142, 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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