

Converting Colors

XYZ(31.2749, 29.2481, 44.6949)

Have a look what the booklet for
XYZ(31.2749, 29.2481, 44.6949)
contains.

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Color

**XYZ(31.2165, 29.1204,
44.5330)**

Conversions

Conversions Part 1

Format	Color
Hex	9E8CAF
RGB	158, 140, 175
RGB Percent	62%, 55%, 69%
CMY	0.3804, 0.4510, 0.3137
CMYK	0.10, 0.20, 0.00, 0.31
HSL	271°, 18%, 62%
HSV	271°, 20%, 69%
XYZ	31.2165, 29.1204, 44.5330
YIQ	149.3720, -0.5070, 14.7010

Conversions

Conversions Part 2

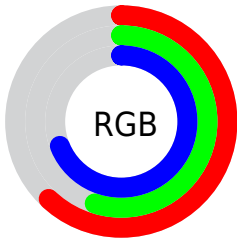
Format	Color
R _Y B	158, 140, 175
Decimal	10390703
CIE Lab	60.89, 13.56, -15.89
CIE LCh	61, 20.892, 310.472
Yxy	29.1204, 0.2977, 0.2777
Android (android.graphics.Color)	4288580783 (0xFF9E8CAF)
YUV	149.3720, 12.6346, 7.5668
Hunter-Lab	53.9633, 8.8222, -11.1545

Details

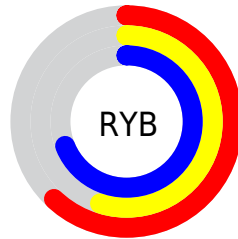
The XYZ color **31.2165, 29.1204, 44.5330** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **33.9693, 39.7223, 30.6891**, and the grayscale version is **28.6730, 30.1663, 32.8511**.

A 20% lighter version of the original color is **61.1562, 58.4992, 83.6695**, and **13.1129, 11.7816, 19.9953** is the 20% darker color. If you saturate the color by 10%, you get **27.2455, 23.5750, 43.6724**, and if you desaturate by 10%, it is **35.7116, 35.5412, 45.5359**.

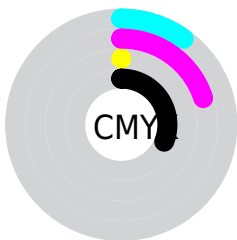
Distribution



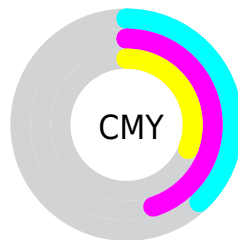
- Red (62%)
- Green (55%)
- Blue (69%)



- Red (62%)
- Yellow (55%)
- Blue (69%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2165, 29.1204, 44.5330 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 31.2165, 29.1204, 44.5330 by changing the saturation by 10% instead.

■ 31.2165, 29.1204,
44.5330

■ 31.2165, 29.1204,
44.5330

299.3436,
297.7826, 380.9837

■ 20.9164, 19.1719,
30.7495

■ 60.9543, 58.2683,
83.3302

■ 13.1750, 11.7946,
20.1513

■ 81.1227, 78.2366,
109.1809

■ 7.6270, 6.6040,
12.3199

■ 105.3112,
102.3135, 139.8912

■ 3.9070, 3.2157,
6.8368

133.8853,
130.8835, 175.8795

■ 1.6497, 1.2453,
3.2833

167.2102,
164.3311, 217.5643

■ 0.4244, 0.0983,
1.2411

205.6513,

■ 0.0000, 0.0000,

203.0405, 265.3643

0.0127

249.5740,
247.3962, 319.6979

■ 0.0000, 0.0000,
0.0000

■ 31.2165, 29.1204,
44.5330

■ 31.2165, 29.1204,
44.5330

■ 27.2455, 23.5750,
43.6724

■ 35.7116, 35.5412,
45.5359

■ 23.7745, 18.8618,
42.9456

■ 40.7484, 42.8708,
46.6852

■ 20.7812, 14.9393,
42.3462

■ 46.3466, 51.1451,
47.9872

■ 18.2405, 11.7610,
41.8667

■ 52.5245, 60.3972,
49.4474

■ 16.1246, 9.2751,
41.4984

■ 59.2992, 70.6583,
51.0709

■ 14.4024, 7.4232,
41.2317

■ 66.6872, 81.9584,
52.8627

■ 13.0373, 6.1364,
41.0552

■ 72.2634, 89.4443,
54.0137

■ 11.9543, 5.2688,
40.9449

■ 74.8635, 90.7847,
54.1354

■ 11.9541, 5.2687,
40.9448

■ 77.5957, 92.1932,
54.2633

Harmonies

Analogous

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



28.6404, 29.1204, 48.8509



31.2165, 29.1204, 44.5330



32.9103, 29.1204, 36.9868

Triad

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



31.2165, 29.1204, 44.5330



29.4649, 29.1204, 19.5732



22.8433, 29.1204, 34.5106

Complementary

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



31.2165, 29.1204, 44.5330



33.9693, 39.7223, 30.6891

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.



23.0321, 29.1204, 26.9555



31.2165, 29.1204, 44.5330



26.7376, 29.1204, 19.1324

Square

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



31.2165, 29.1204, 44.5330



31.8540, 29.1204, 22.9383



24.4177, 29.1204, 21.6157



23.8840, 29.1204, 42.4667

Rectangle

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



31.2165, 29.1204, 44.5330



33.2492, 29.1204, 31.5839



24.4177, 29.1204, 21.6157



22.7669, 29.1204, 31.8308

Sweetspot

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



31.2174, 29.1216, 44.5336



67.3533, 68.5676, 82.3218



30.6959, 32.9552, 45.3011



14.8449, 15.0583, 18.2685



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.



31.2174, 29.1216, 44.5336



52.6540, 47.5795, 79.0455



34.7960, 30.9664, 44.7011



7.9569, 7.9521, 10.0682



8.6319, 3.8098, 29.3249



0.3030, 0.1384, 0.8187

Inverse Universe

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



33.1441, 30.3057, 36.0023



56.8089, 50.1323, 60.6780



30.8799, 38.1296, 30.5445



8.1612, 8.0777, 9.1599



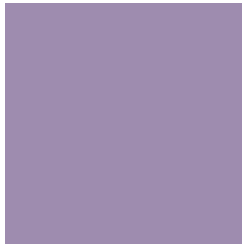
13.8659, 7.0089, 6.9391



0.4135, 0.2061, 0.3391

Previews

White Background



This preview shows how the XYZ color 31.2165, 29.1204, 44.5330 looks on a white background.

Color Contrast Check

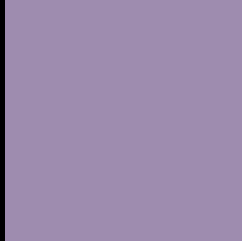
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2165, 29.1204, 44.5330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

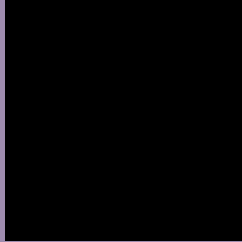
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2165, 29.1204, 44.5330

Background



This preview shows how black text looks on a background with the XYZ color 31.2165, 29.1204, 44.5330.



This preview shows how white text looks on a background with the XYZ color 31.2165, 29.1204,

44.5330.

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

31.2165, 29.1204, 44.5330

Protanopia

29.2308, 29.3879, 46.7796

Deuteranopia

29.8260, 29.2984, 44.1276



Tritanopia

29.4072, 29.2816, 35.1123

Trichromacy



Original Color

31.2165, 29.1204, 44.5330

Protanomaly

30.0418, 29.3639, 46.2039

Deuteranomaly

30.4113, 29.3763, 44.1117

Tritanomaly

30.0543, 29.3215, 38.2580

Monochromacy



Original Color

31.2165, 29.1204, 44.5330

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.3993, 29.7018, 36.5313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2165, 29.1204, 44.5330 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, 140, 175)` looks like.

```
.text, #text, p{  
    color:rgb(158, 140, 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(158, 140, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 140, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.2165, 29.1204, 44.5330 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, 140, 175) }
```


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

```
.border{ border-color:rgb(158, 140, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 140, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 140, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 140, 175);  
box-shadow:4px 4px 4px 4px rgb(158, 140,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2165, 29.1204, 44.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 140, 175) }
```

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

```
.background{ background-color: rgb(158,  
140, 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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