

Converting Colors

XYZ(31.3087, 25.0432, 58.7202)

Have a look what the booklet for
XYZ(31.3087, 25.0432, 58.7202)
contains.

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Color

**XYZ(31.2846, 25.0599,
58.4465)**

Conversions

Conversions Part 1

Format	Color
Hex	9D79C9
RGB	157, 121, 201
RGB Percent	62%, 47%, 79%
CMY	0.3843, 0.5255, 0.2118
CMYK	0.22, 0.40, 0.00, 0.21
HSL	267°, 43%, 63%
HSV	267°, 40%, 79%
XYZ	31.2846, 25.0599, 58.4465
YIQ	140.8840, -4.2240, 32.5120

Conversions

Conversions Part 2

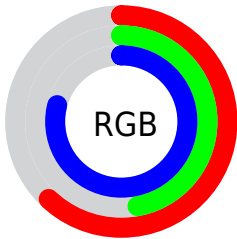
Format	Color
R _Y B	157, 121, 201
Decimal	10320329
CIE Lab	57.13, 29.99, -36.45
CIE LCh	57, 47.202, 309.450
Yxy	25.0599, 0.2725, 0.2183
Android (android.graphics.Color)	4288510409 (0xFF9D79C9)
YUV	140.8840, 29.6372, 14.1337
Hunter-Lab	50.0599, 23.9477, -34.1811

Details

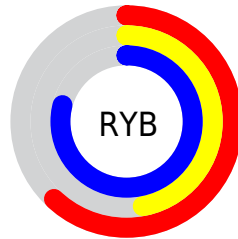
The XYZ color **31.2846, 25.0599, 58.4465** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **39.8556, 51.1537, 25.8632**, and the grayscale version is **25.1616, 26.4720, 28.8280**.

A 20% lighter version of the original color is **60.6266, 51.6382, 101.3795**, and **13.2927, 9.6844, 28.7724** is the 20% darker color. If you saturate the color by 10%, you get **27.0316, 19.6118, 57.6195**, and if you desaturate by 10%, it is **36.2434, 31.6284, 59.4534**.

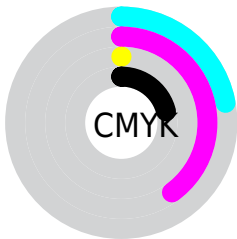
Distribution



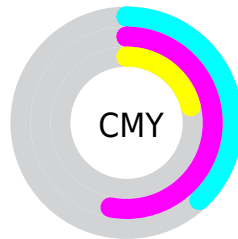
- Red (62%)
- Green (47%)
- Blue (79%)



- Red (62%)
- Yellow (47%)
- Blue (79%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)
- Black (21%)



- Cyan (38%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2846, 25.0599, 58.4465 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 31.2846, 25.0599, 58.4465 by changing the saturation by 10% instead.

■ 31.2846, 25.0599,
58.4465

■ 31.2846, 25.0599,
58.4465

299.6509,
278.1361, 436.4923

■ 20.9685, 16.1217,
41.7506

■ 61.0607, 51.7544,
104.0940

■ 13.2133, 9.6103,
28.5820

■ 81.2514, 70.2794,
133.8827

■ 7.6536, 5.1414,
18.5220

■ 105.4644, 92.7689,
168.8727

■ 3.9241, 2.3304,
11.1521

134.0650,
119.6072, 209.4827

■ 1.6593, 0.7897,
6.0538

167.4186,
151.1786, 256.1311

■ 0.4306, 0.0000,
2.8085

205.8905,

■ 0.0000, 0.0000,

187.8677, 309.2364

0.9977

249.8462,
230.0587, 369.2173

■ 0.0000, 0.0000,
0.0000

■ 31.2846, 25.0599,
58.4465

■ 31.2846, 25.0599,
58.4465

■ 27.0316, 19.6118,
57.6195

■ 36.2434, 31.6284,
59.4534

■ 23.4448, 15.2147,
56.9598

■ 41.9395, 39.3750,
60.6484

■ 20.4843, 11.7959,
56.4560

■ 48.4053, 48.3570,
62.0414


■ 18.1040, 9.2719,
56.0942


■ 55.6707, 58.6270,
63.6407


■ 16.2504, 7.5442,
55.8584

■ 63.7637, 70.2345,
65.4547


 14.8292, 6.4333,
55.7189

 72.7108, 83.2264,
67.4908

 14.8031, 6.4134,
55.7165

 80.3617, 93.2951,
69.0310

 84.1134, 95.2292,
69.2066

 87.5427, 96.9971,
69.3671

Harmonies

Analogous

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



25.6189, 25.0599, 70.0486



31.2846, 25.0599, 58.4465



35.3078, 25.0599, 39.5178

Triad

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



31.2846, 25.0599, 58.4465



27.7754, 25.0599, 7.4754



14.7465, 25.0599, 32.6326

Complementary

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



31.2846, 25.0599, 58.4465



39.8556, 51.1537, 25.8632

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.



15.1390, 25.0599, 17.8810



31.2846, 25.0599, 58.4465



22.1048, 25.0599, 6.8468

Square

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



31.2846, 25.0599, 58.4465



33.0728, 25.0599, 12.0794



17.6464, 25.0599, 9.8048



16.4751, 25.0599, 51.7550

Rectangle

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



31.2846, 25.0599, 58.4465



36.1997, 25.0599, 27.5812



17.6464, 25.0599, 9.8048



14.6416, 25.0599, 26.9928

Sweetspot

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



31.2855, 25.0609, 58.4471



80.1303, 78.9532, 105.6239



31.8838, 35.1932, 60.3713



16.8299, 16.4512, 22.5383



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2855, 25.0609, 58.4471



47.0432, 34.5365, 98.7945



40.4066, 29.7630, 58.8739



10.5023, 10.5172, 13.3940



9.4099, 4.0852, 35.0369



0.5287, 0.2363, 1.6629

Inverse Universe

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



37.7170, 28.8098, 39.1711



59.9888, 42.0921, 59.5573



32.7961, 47.5144, 25.5328



10.8739, 10.7329, 12.3190



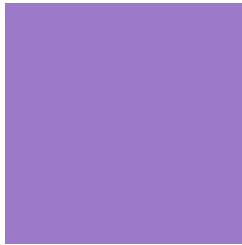
16.9805, 8.5418, 10.3731



0.8402, 0.4189, 0.6815

Previews

White Background



This preview shows how the XYZ color 31.2846, 25.0599, 58.4465 looks on a white background.

Color Contrast Check

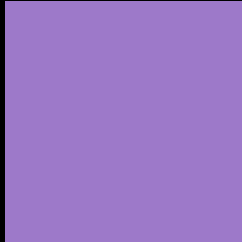
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2846, 25.0599, 58.4465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

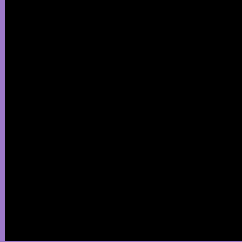
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2846, 25.0599, 58.4465

Background



This preview shows how black text looks on a background with the XYZ color 31.2846, 25.0599, 58.4465.



This preview shows how white text looks on a background with the XYZ color 31.2846, 25.0599,

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

31.2846, 25.0599, 58.4465

Protanopia

26.9809, 25.3833, 66.4282

Deuteranopia

25.8073, 25.1962, 56.9293



Tritanopia

25.4542, 24.9917, 29.8679

Trichromacy



Original Color

31.2846, 25.0599, 58.4465

Protanomaly

28.0954, 25.0043, 63.6671

Deuteranomaly

27.4784, 25.0232, 57.4145

Tritanomaly

27.4043, 24.9964, 38.9777

Monochromacy



Original Color

31.2846, 25.0599, 58.4465

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.1686, 25.8976, 38.2171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2846, 25.0599, 58.4465 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(157, 121, 201)` looks like.

```
.text, #text, p{  
    color:rgb(157, 121, 201)  
}
```

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(157, 121, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 121, 201) }
```

Border

The CSS property to change the border of an element to XYZ 31.2846, 25.0599, 58.4465 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(157, 121, 201) }
```


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

```
.border{ border-color:rgb(157, 121, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 121, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 121, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 121, 201);  
box-shadow:4px 4px 4px 4px rgb(157, 121,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2846, 25.0599, 58.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 121, 201) }
```

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

```
.background{ background-color: rgb(157,  
121, 201) }
```

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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