

Converting Colors

XYZ(29.6166, 26.0140, 35.8080)

Have a look what the booklet for
XYZ(29.6166, 26.0140, 35.8080)
contains.

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Color

**XYZ(29.6166, 26.0140,
35.8080)**

Conversions

Conversions Part 1

Format	Color
Hex	A6809E
RGB	166, 128, 158
RGB Percent	65%, 50%, 62%
CMY	0.3490, 0.4980, 0.3804
CMYK	0.00, 0.23, 0.05, 0.35
HSL	313°, 18%, 58%
HSV	313°, 23%, 65%
XYZ	29.6166, 26.0140, 35.8080
YIQ	142.7820, 13.0180, 17.3860

Conversions

Conversions Part 2

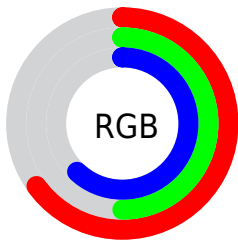
Format	Color
RYB	166, 128, 158
Decimal	10911902
CIELab	58.05, 19.79, -10.38
CIELCh	58, 22.349, 332.333
Yxy	26.0140, 0.3239, 0.2845
Android (android.graphics.Color)	4289101982 (0xFFA6809E)
YUV	142.7820, 7.5025, 20.3622
Hunter-Lab	51.0039, 14.3933, -5.9226

Details

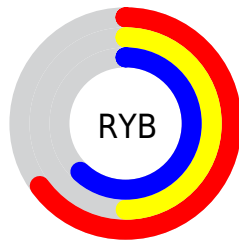
The XYZ color **29.6166, 26.0140, 35.8080** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.9833, 33.6399, 28.3650**, and the grayscale version is **25.9896, 27.3431, 29.7766**.

A 20% lighter version of the original color is **58.3529, 53.2240, 70.1485**, and **12.3177, 10.0877, 15.2078** is the 20% darker color. If you saturate the color by 10%, you get **27.3296, 21.9143, 33.5827**, and if you desaturate by 10%, it is **32.2679, 30.8279, 38.1976**.

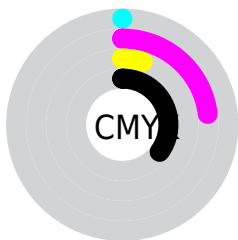
Distribution



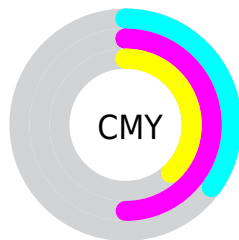
- Red (65%)
- Green (50%)
- Blue (62%)



- Red (65%)
- Yellow (50%)
- Blue (62%)



- Cyan (0%)
- Magenta (23%)
- Yellow (5%)
- Black (35%)



- Cyan (35%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6166, 26.0140, 35.8080 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 29.6166, 26.0140, 35.8080 by changing the saturation by 10% instead.

■ 29.6166, 26.0140,
35.8080

■ 29.6166, 26.0140,
35.8080

292.0552,
282.8508, 343.1326

■ 19.6944, 16.8341,
23.9974

■ 58.4461, 53.2975,
69.9013

■ 12.2801, 10.1163,
15.1195

■ 78.0841, 72.1700,
93.0212

■ 7.0083, 5.4761,
8.7558

■ 101.6915, 95.0420,
120.7478

■ 3.5136, 2.5292,
4.4876

129.6335,
122.2981, 153.4999

■ 1.4308, 0.8912,
1.8965

162.2755,
154.3227, 191.6958

■ 0.2780, 0.0000,
0.4905

199.9829,

■ 0.0000, 0.0000,

191.5000, 235.7542

0.0000

243.1210,
234.2146, 286.0936

■ 29.6166, 26.0140,
35.8080

■ 29.6166, 26.0140,
35.8080

■ 27.3296, 21.9143,
33.5827

■ 32.2679, 30.8279,
38.1976

■ 25.3874, 18.4909,
31.5138

■ 35.2973, 36.3846,
40.7555

■ 23.7720, 15.7077,
29.5954

■ 38.7208, 42.7154,
43.4876

■ 22.4628, 13.5236,
27.8203

■ 42.5525, 49.8487,
46.3991

■ 21.4371, 11.8931,
26.1804

■ 46.8061, 57.8117,
49.4948

■ 20.6685, 10.7639,
24.6668

■ 51.4945, 66.6301,
52.7792

■ 20.1259, 10.0736,
23.2685

■ 56.6301, 76.3284,
56.2570

■ 19.8262, 9.7471,
22.3271

■ 60.3448, 83.1706,
59.3056

■ 60.7209, 83.3210,
61.2863

Harmonies

Analogous

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



27.6087, 26.0140, 42.8436



29.6166, 26.0140, 35.8080



30.2865, 26.0140, 27.7235

Triad

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



29.6166, 26.0140, 35.8080



24.5147, 26.0140, 15.9105



20.5916, 26.0140, 37.0485

Complementary

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



29.6166, 26.0140, 35.8080



26.9833, 33.6399, 28.3650

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.



19.8907, 26.0140, 28.9348



29.6166, 26.0140, 35.8080



22.0504, 26.0140, 17.5239

Square

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



29.6166, 26.0140, 35.8080



27.2164, 26.0140, 17.0878



20.4050, 26.0140, 21.9644



22.3915, 26.0140, 43.6466

Rectangle

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



29.6166, 26.0140, 35.8080



29.8475, 26.0140, 23.0402



20.4050, 26.0140, 21.9644



20.2258, 26.0140, 34.3614

Sweetspot

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



29.6174, 26.0151, 35.8086



61.6434, 61.5888, 71.9600



24.6918, 23.3937, 39.2908



13.7251, 13.6548, 16.0447



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.6174, 26.0151, 35.8086



51.7573, 43.6251, 63.0892



28.1355, 25.4224, 28.0049



7.7732, 7.6392, 9.1231



15.3915, 7.5653, 17.4050



0.3910, 0.1907, 0.5105

Inverse Universe

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



29.6174, 26.0151, 35.8086



51.7573, 43.6251, 63.0892



28.4221, 34.2154, 35.9415



7.7732, 7.6392, 9.1231



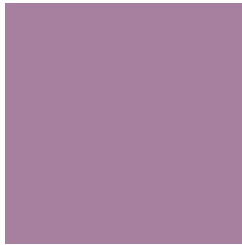
15.3915, 7.5653, 17.4050



0.3910, 0.1907, 0.5105

Previews

White Background



This preview shows how the XYZ color 29.6166, 26.0140, 35.8080 looks on a white background.

Color Contrast Check

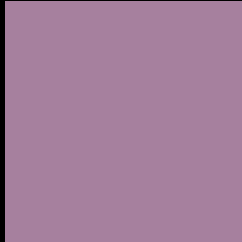
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6166, 26.0140, 35.8080 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 29.6166, 26.0140, 35.8080

Background



This preview shows how black text looks on a background with the XYZ color 29.6166, 26.0140, 35.8080.



This preview shows how white text looks on a background with the XYZ color 29.6166, 26.0140,

35.8080.

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

29.6166, 26.0140, 35.8080

Protanopia

26.0158, 26.3327, 39.3089

Deuteranopia

26.6590, 26.1196, 35.0890



Tritanopia

28.2339, 26.0482, 28.7390

Trichromacy



Original Color

29.6166, 26.0140, 35.8080

Protanomaly

27.0396, 26.0476, 37.7850

Deuteranomaly

27.6102, 25.9817, 35.4580

Tritanomaly

28.7661, 26.0712, 31.1199

Monochromacy



Original Color

29.6166, 26.0140, 35.8080

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.1963, 26.8944, 31.7747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6166, 26.0140, 35.8080 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(166, 128, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 128, 158)  
}
```

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(166, 128, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 128, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.6166, 26.0140, 35.8080 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(166, 128, 158) }
```


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

```
.border{ border-color:rgb(166, 128, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 128, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 128, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 128, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 128,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6166, 26.0140, 35.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 128, 158) }
```

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

```
.background{ background-color: rgb(166,  
128, 158) }
```

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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