

Converting Colors

XYZ(31.0366, 26.1795, 35.1018)

Have a look what the booklet for
XYZ(31.0366, 26.1795, 35.1018)
contains.

XYZ(31.0986, 26.2155, 35.3193)	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(31.0986, 26.2155,
35.3193)**

Conversions

Conversions Part 1

Format	Color
Hex	AF7D9D
RGB	175, 125, 157
RGB Percent	69%, 49%, 62%
CMY	0.3137, 0.5098, 0.3843
CMYK	0.00, 0.29, 0.10, 0.31
HSL	322°, 24%, 59%
HSV	322°, 29%, 69%
XYZ	31.0986, 26.2155, 35.3193
YIQ	143.5980, 19.5280, 20.5520

Conversions

Conversions Part 2

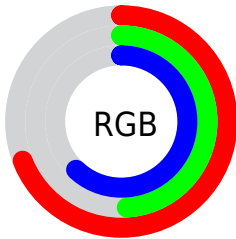
Format	Color
R _Y B	175, 125, 157
Decimal	11500957
CIE Lab	58.24, 24.53, -9.42
CIE LCh	58, 26.279, 339.001
Yxy	26.2155, 0.3357, 0.2830
Android (android.graphics.Color)	4289691037 (0xFFAF7D9D)
YUV	143.5980, 6.6072, 27.5396
Hunter-Lab	51.2011, 18.8158, -5.0584

Details

The XYZ color **31.0986, 26.2155, 35.3193** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.7464, 37.0038, 31.6156**, and the grayscale version is **26.3172, 27.6877, 30.1519**.

A 20% lighter version of the original color is **60.7591, 53.5832, 69.4276**, and **13.1436, 10.2103, 14.9137** is the 20% darker color. If you saturate the color by 10%, you get **28.5514, 21.9595, 31.8845**, and if you desaturate by 10%, it is **34.0655, 31.2656, 39.0314**.

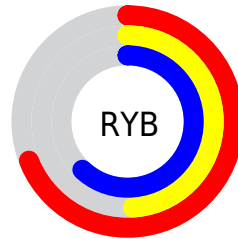
Distribution



Red (69%)

Green (49%)

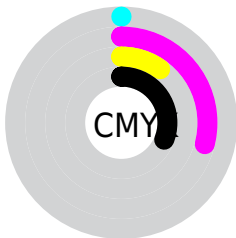
Blue (62%)



Red (69%)

Yellow (49%)

Blue (62%)

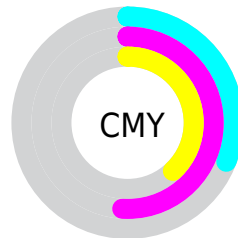


Cyan (0%)

Magenta (29%)

Yellow (10%)

Black (31%)



Cyan (31%)

Magenta (51%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0986, 26.2155, 35.3193 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 31.0986, 26.2155, 35.3193 by changing the saturation by 10% instead.

■ 31.0986, 26.2155,
35.3193

■ 31.0986, 26.2155,
35.3193

298.8111,
283.8384, 340.9224

■ 20.8261, 16.9849,
23.6234

■ 60.7701, 53.6224,
69.1373

■ 13.1087, 10.2237,
14.8449

■ 80.8998, 72.5675,
92.0965

■ 7.5810, 5.5476,
8.5652

■ 105.0459, 95.5196,
119.6472

■ 3.8775, 2.5720,
4.3658

133.5739,
122.8630, 152.2080

■ 1.6331, 0.9126,
1.8281

166.8491,
154.9822, 190.1973

■ 0.4138, 0.0000,
0.4464

205.2367,

■ 0.0000, 0.0000,

192.2616, 234.0338

0.0000

249.1023,
235.0855, 284.1360

■ 31.0986, 26.2155,
35.3193

■ 31.0986, 26.2155,
35.3193

■ 28.5514, 21.9595,
31.8845

■ 34.0655, 31.2656,
39.0314

■ 26.4005, 18.4529,
28.7164

■ 37.4690, 37.1444,
43.0277

■ 24.6241, 15.6521,
25.8058

■ 41.3281, 43.8887,
47.3167

■ 23.1968, 13.5072,
23.1423

■ 45.6599, 51.5320,
51.9060

■ 22.0903, 11.9622,
20.7141

■ 50.4806, 60.1062,
56.8028

■ 21.2713, 10.9512,
18.5079

■ 55.8056, 69.6415,
62.0142

■ 20.6814, 10.3583,
16.5019

■ 61.6495, 80.1666,
67.5469

■ 20.6038, 10.2838,
16.2272

■ 64.7514, 85.1588,
72.3155

■ 65.5393, 85.4740,
76.4647

Harmonies

Analogous

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



28.9834, 26.2155, 44.5026



31.0986, 26.2155, 35.3193



31.4852, 26.2155, 25.8812

Triad

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



31.0986, 26.2155, 35.3193



23.9690, 26.2155, 14.4631



20.4444, 26.2155, 41.0993

Complementary

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



31.0986, 26.2155, 35.3193



28.7464, 37.0038, 31.6156

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.



19.3325, 26.2155, 31.3839



31.0986, 26.2155, 35.3193



21.2500, 26.2155, 16.9455

Square

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



31.0986, 26.2155, 35.3193



27.1823, 26.2155, 15.0761



19.6142, 26.2155, 22.6962



22.7813, 26.2155, 48.3041

Rectangle

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



31.0986, 26.2155, 35.3193



30.6809, 26.2155, 20.8410



19.6142, 26.2155, 22.6962



19.9245, 26.2155, 37.9442

Sweetspot

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



31.0994, 26.2167, 35.3198



66.7254, 65.8643, 76.6265



26.3139, 23.5588, 43.7182



14.6270, 14.2860, 16.7972



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.



31.0994, 26.2167, 35.3198



52.8637, 42.1989, 59.4950



29.2129, 25.4621, 25.3859



8.2128, 8.0984, 9.4315



14.7851, 7.3766, 11.7797



0.4362, 0.2152, 0.4589

Inverse Universe

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



31.0994, 26.2167, 35.3198



52.8637, 42.1989, 59.4950



30.8097, 37.8291, 42.4806



8.2128, 8.0984, 9.4315



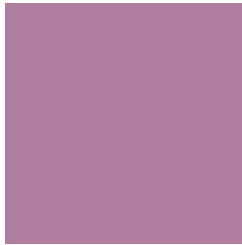
14.7851, 7.3766, 11.7797



0.4362, 0.2152, 0.4589

Previews

White Background



This preview shows how the XYZ color 31.0986, 26.2155, 35.3193 looks on a white background.

Color Contrast Check

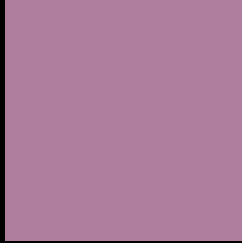
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0986, 26.2155, 35.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

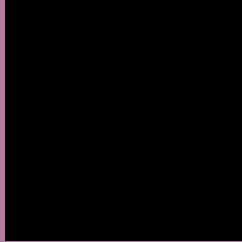
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0986, 26.2155, 35.3193

Background



This preview shows how black text looks on a background with the XYZ color 31.0986, 26.2155, 35.3193.



This preview shows how white text looks on a background with the XYZ color 31.0986, 26.2155,

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

31.0986, 26.2155, 35.3193

Protanopia

26.1072, 26.3693, 39.7902

Deuteranopia

26.7532, 26.1779, 34.6531



Tritanopia

29.5402, 26.1576, 27.5367

Trichromacy



Original Color

31.0986, 26.2155, 35.3193

Protanomaly

27.7136, 26.1786, 38.2426

Deuteranomaly

28.1566, 26.0709, 35.0007

Tritanomaly

30.1558, 26.2217, 30.2600

Monochromacy



Original Color

31.0986, 26.2155, 35.3193

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.8880, 27.0298, 32.1812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0986, 26.2155, 35.3193 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(175, 125, 157)` looks like.

```
.text, #text, p{  
    color:rgb(175, 125, 157)  
}
```

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(175, 125, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 125, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.0986, 26.2155, 35.3193 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(175, 125, 157) }
```


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

```
.border{ border-color:rgb(175, 125, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 125, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 125, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 125, 157);  
box-shadow:4px 4px 4px 4px rgb(175, 125,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0986, 26.2155, 35.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 125, 157) }
```

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

```
.background{ background-color: rgb(175,  
125, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor