

Converting Colors

XYZ(19.8528, 16.6347, 30.2984)

Have a look what the booklet for
XYZ(19.8528, 16.6347, 30.2984)
contains.

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Color

**XYZ(19.9282, 16.7092,
30.1918)**

Conversions

Conversions Part 1

Format	Color
Hex	866694
RGB	134, 102, 148
RGB Percent	53%, 40%, 58%
CMY	0.4745, 0.6000, 0.4196
CMYK	0.09, 0.31, 0.00, 0.42
HSL	282°, 18%, 49%
HSV	282°, 31%, 58%
XYZ	19.9282, 16.7092, 30.1918
YIQ	116.8120, 4.3060, 21.0900

Conversions

Conversions Part 2

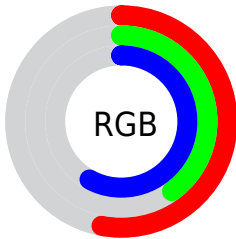
Format	Color
RYB	134, 102, 148
Decimal	8808084
CIELab	47.89, 21.64, -20.26
CIELCh	48, 29.648, 316.891
Yxy	16.7092, 0.2982, 0.2500
Android (android.graphics.Color)	4286998164 (0xFF866694)
YUV	116.8120, 15.3757, 15.0739
Hunter-Lab	40.8769, 15.4873, -15.1780

Details

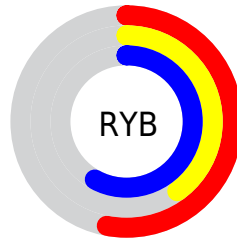
The XYZ color **19.9282, 16.7092, 30.1918** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.1911, 25.8525, 16.4970**, and the grayscale version is **16.8039, 17.6790, 19.2524**.

A 20% lighter version of the original color is **42.7909, 37.7381, 60.9060**, and **7.1800, 5.4803, 11.9886** is the 20% darker color. If you saturate the color by 10%, you get **17.8989, 13.6936, 29.7169**, and if you desaturate by 10%, it is **22.2488, 20.2614, 30.7554**.

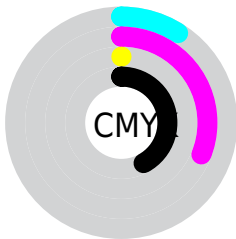
Distribution



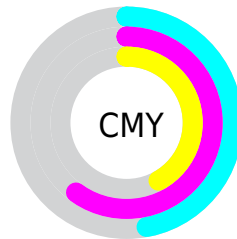
- Red (53%)
- Green (40%)
- Blue (58%)



- Red (53%)
- Yellow (40%)
- Blue (58%)



- Cyan (9%)
- Magenta (31%)
- Yellow (0%)
- Black (42%)



- Cyan (47%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9282, 16.7092, 30.1918 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 19.9282, 16.7092, 30.1918 by changing the saturation by 10% instead.

■ 19.9282, 16.7092,
30.1918

■ 19.9282, 16.7092,
30.1918

244.3671,
233.4910, 317.0325

■ 12.4508, 10.0274,
19.7309

■ 42.8016, 37.8251,
61.0300

■ 7.1259, 5.4171,
12.0175

■ 58.9284, 53.0280,
82.2443

■ 3.5880, 2.4940,
6.6329

■ 78.6690, 71.8400,
107.8803

■ 1.4718, 0.8736,
3.1587

■ 102.3888, 94.6455,
138.3563

■ 0.3065, 0.0000,
1.1762

130.4532,
121.8290, 174.0910

■ 0.0000, 0.0000,
0.0000

163.2274,

153.7748, 215.5030

201.0770,
190.8673, 263.0106

■ 19.9282, 16.7092,
30.1918

■ 19.9282, 16.7092,
30.1918

■ 17.8989, 13.6936,
29.7169

■ 22.2488, 20.2614,
30.7554

■ 16.1452, 11.1846,
29.3251

■ 24.8723, 24.3737,
31.4109

■ 14.6521, 9.1524,
29.0115

■ 27.8115, 29.0711,
32.1627

■ 13.4024, 7.5635,
28.7707

■ 31.0781, 34.3761,
33.0145

■ 12.3768, 6.3795,
28.5962

■ 34.6830, 40.3103,
33.9699

■ 11.5523, 5.5555,
28.4806

■ 38.6367, 46.8939,
35.0322

■ 10.9340, 5.0192,
28.4097

■ 42.9491, 54.1464,
36.2048

■ 47.6299, 62.0866,
37.4907

■ 52.6881, 70.7322,
38.8929

Harmonies

Analogous

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



17.4190, 16.7092, 36.1799



19.9282, 16.7092, 30.1918



21.4192, 16.7092, 21.7327

Triad

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



19.9282, 16.7092, 30.1918



17.0736, 16.7092, 7.3091



11.4619, 16.7092, 22.8040

Complementary

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



19.9282, 16.7092, 30.1918



20.1911, 25.8525, 16.4970

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.



11.3915, 16.7092, 15.0610



19.9282, 16.7092, 30.1918



14.4374, 16.7092, 7.4466

Square

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



19.9282, 16.7092, 30.1918



19.6510, 16.7092, 9.4384



12.4236, 16.7092, 9.8879



12.6279, 16.7092, 31.1629

Rectangle

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



19.9282, 16.7092, 30.1918



21.5374, 16.7092, 16.4873



12.4236, 16.7092, 9.8879



11.3143, 16.7092, 20.0135

Sweetspot

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



19.9287, 16.7099, 30.1922



44.8273, 44.4997, 55.6612



17.1363, 17.5854, 30.5083



10.0810, 9.9169, 12.6677



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.9287, 16.7099, 30.1922



32.7225, 25.8373, 52.6970



21.6663, 17.6800, 26.9148



5.8653, 5.8215, 7.2843



9.3677, 4.3018, 24.2676



0.1447, 0.0681, 0.2984

Inverse Universe

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



20.1170, 17.0603, 18.7563



33.2083, 26.6130, 28.9871



18.9081, 25.1402, 18.7326



5.8691, 5.8427, 6.4171



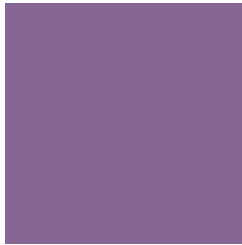
10.8479, 5.5442, 2.6803



0.1447, 0.0726, 0.0955

Previews

White Background



This preview shows how the XYZ color 19.9282, 16.7092, 30.1918 looks on a white background.

Color Contrast Check

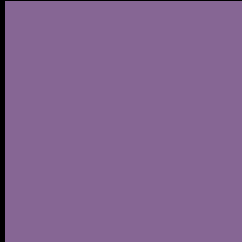
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.9282, 16.7092, 30.1918 looks on a black 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

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

XYZ 19.9282, 16.7092, 30.1918

Background



This preview shows how black text looks on a background with the XYZ color 19.9282, 16.7092, 30.1918.



This preview shows how white text looks on a background with the XYZ color 19.9282, 16.7092,

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

19.9282, 16.7092, 30.1918

Protanopia

17.1617, 16.7553, 33.7821

Deuteranopia

17.1668, 16.8518, 29.5421



Tritanopia

17.6267, 16.6766, 19.1195

Trichromacy



Original Color

19.9282, 16.7092, 30.1918

Protanomaly

17.9224, 16.5357, 32.3841

Deuteranomaly

17.9651, 16.6136, 29.8636

Tritanomaly

18.4104, 16.6919, 22.6736

Monochromacy



Original Color

19.9282, 16.7092, 30.1918

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.8588, 17.3578, 22.8312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9282, 16.7092, 30.1918 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(134, 102, 148)` looks like.

```
.text, #text, p{  
    color:rgb(134, 102, 148)  
}
```

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(134, 102, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 102, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.9282, 16.7092, 30.1918 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(134, 102, 148) }
```


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

```
.border{ border-color:rgb(134, 102, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 102, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 102, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 102, 148);  
box-shadow:4px 4px 4px 4px rgb(134, 102,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9282, 16.7092, 30.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 102, 148) }
```

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

```
.background{ background-color: rgb(134,  
102, 148) }
```

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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