

Converting Colors

XYZ(21.1537, 18.6032, 29.0167)

Have a look what the booklet for
XYZ(21.1537, 18.6032, 29.0167)
contains.

XYZ(21.0912, 18.5688, 28.8581)	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(21.0912, 18.5688,
28.8581)**

Conversions

Conversions Part 1

Format	Color
Hex	8A6E90
RGB	138, 110, 144
RGB Percent	54%, 43%, 56%
CMY	0.4588, 0.5686, 0.4353
CMYK	0.04, 0.24, 0.00, 0.44
HSL	289°, 13%, 50%
HSV	289°, 24%, 56%
XYZ	21.0912, 18.5688, 28.8581
YIQ	122.2480, 5.7740, 16.5100

Conversions

Conversions Part 2

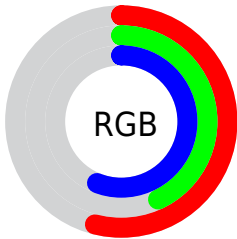
Format	Color
R _Y B	138, 110, 144
Decimal	9072272
CIE Lab	50.18, 17.45, -14.37
CIE LCh	50, 22.607, 320.540
Yxy	18.5688, 0.3078, 0.2710
Android (android.graphics.Color)	4287262352 (0xFF8A6E90)
YUV	122.2480, 10.7237, 13.8145
Hunter-Lab	43.0915, 11.9569, -9.5420

Details

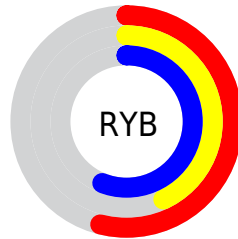
The XYZ color **21.0912, 18.5688, 28.8581** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.9910, 24.7859, 18.4834**, and the grayscale version is **18.5449, 19.5107, 21.2472**.

A 20% lighter version of the original color is **44.8516, 41.1243, 58.9999**, and **7.7675, 6.3281, 11.4017** is the 20% darker color. If you saturate the color by 10%, you get **19.2466, 15.4963, 28.3625**, and if you desaturate by 10%, it is **23.1992, 22.1530, 29.4391**.

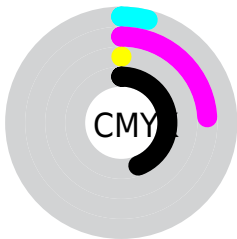
Distribution



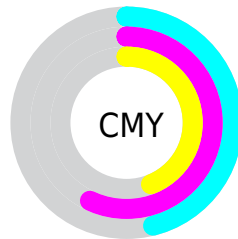
- Red (54%)
- Green (43%)
- Blue (56%)



- Red (54%)
- Yellow (43%)
- Blue (56%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (44%)



- Cyan (46%)
- Magenta (57%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0912, 18.5688, 28.8581 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 21.0912, 18.5688, 28.8581 by changing the saturation by 10% instead.

■ 21.0912, 18.5688,
28.8581

■ 21.0912, 18.5688,
28.8581

250.4853,
244.0578, 310.5848

■ 13.3035, 11.3591,
18.7288

■ 44.7294, 41.0042,
58.8911

■ 7.7163, 6.3089,
11.2997

■ 61.3106, 56.9987,
79.6318

■ 3.9642, 3.0338,
6.1521

■ 81.5538, 76.6903,
104.7469

■ 1.6819, 1.1494,
2.8675

■ 105.8241,
100.4633, 134.6547

■ 0.4449, 0.0198,
1.0274

134.4871,
128.7022, 169.7739

■ 0.0000, 0.0000,
0.0000

167.9081,

161.7913, 210.5229

206.4524,
200.1150, 257.3204

■ 21.0912, 18.5688,
28.8581

■ 21.0912, 18.5688,
28.8581

■ 19.2466, 15.4963,
28.3625

■ 23.1992, 22.1530,
29.4391

■ 17.6516, 12.9086,
27.9471

■ 25.5805, 26.2692,
30.1081

■ 16.2934, 10.7803,
27.6079

■ 28.2462, 30.9395,
30.8691

■ 15.1575, 9.0822,
27.3400

■ 31.2066, 36.1843,
31.7254

■ 14.2277, 7.7822,
27.1381

■ 34.4712, 42.0225,
32.6802

13.4856, 6.8434,
26.9960

38.0492, 48.4726,
33.7366

12.9090, 6.2216,
26.9064

41.9495, 55.5519,
34.8975

12.5853, 5.9064,
26.8626

46.1805, 63.2773,
36.1656

50.7502, 71.6649,
37.5438

Harmonies

Analogous

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



19.1627, 18.5688, 33.6892



21.0912, 18.5688, 28.8581



22.1203, 18.5688, 22.2584

Triad

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



21.0912, 18.5688, 28.8581



18.3478, 18.5688, 10.5298



14.0040, 18.5688, 24.7349

Complementary

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



21.0912, 18.5688, 28.8581



19.9910, 24.7859, 18.4834

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.



13.8250, 18.5688, 18.3067



21.0912, 18.5688, 28.8581



16.2173, 18.5688, 10.9234

Square

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



21.0912, 18.5688, 28.8581



20.4525, 18.5688, 12.2867



14.6035, 18.5688, 13.5019



15.1143, 18.5688, 30.9886

Rectangle

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



21.0912, 18.5688, 28.8581



22.1043, 18.5688, 18.0986



14.6035, 18.5688, 13.5019



13.8367, 18.5688, 22.4973

Sweetspot

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



21.0918, 18.5696, 28.8585



43.5767, 43.6564, 52.6678



17.7376, 17.8742, 28.9011



9.9443, 9.9269, 12.0642



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.0918, 18.5696, 28.8585



35.5282, 29.9509, 50.4466



21.3279, 18.7819, 24.7767



5.5342, 5.4636, 6.7917



10.9769, 5.1524, 23.3930



0.1208, 0.0574, 0.2244

Inverse Universe

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



20.2306, 18.3430, 18.9983



33.7903, 29.5059, 29.9910



19.8413, 24.6368, 21.7247



5.4453, 5.4387, 5.8432



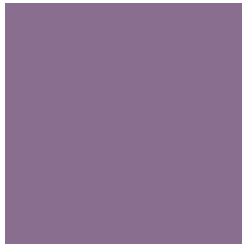
10.1792, 5.2287, 1.3288



0.1032, 0.0523, 0.0434

Previews

White Background



This preview shows how the XYZ color 21.0912, 18.5688, 28.8581 looks on a white background.

Color Contrast Check

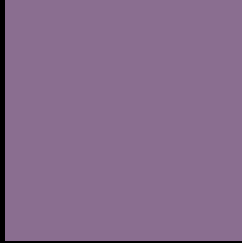
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0912, 18.5688, 28.8581 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 21.0912, 18.5688, 28.8581

Background



This preview shows how black text looks on a background with the XYZ color 21.0912, 18.5688, 28.8581.



This preview shows how white text looks on a background with the XYZ color 21.0912, 18.5688,

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

21.0912, 18.5688, 28.8581

Protanopia

18.6655, 18.6036, 31.4612

Deuteranopia

19.0649, 18.6988, 28.5910



Tritanopia

19.5841, 18.6156, 21.2999

Trichromacy



Original Color

21.0912, 18.5688, 28.8581

Protanomaly

19.3612, 18.4645, 30.5605

Deuteranomaly

19.7276, 18.5298, 28.5235

Tritanomaly

20.1552, 18.6832, 24.0167

Monochromacy



Original Color

21.0912, 18.5688, 28.8581

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.4098, 19.1578, 23.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0912, 18.5688, 28.8581 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(138, 110, 144)` looks like.

```
.text, #text, p{  
    color:rgb(138, 110, 144)  
}
```

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(138, 110, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 110, 144) }
```

Border

The CSS property to change the border of an element to XYZ 21.0912, 18.5688, 28.8581 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(138, 110, 144) }
```


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

```
.border{ border-color:rgb(138, 110, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 110, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 110, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 110, 144);  
box-shadow:4px 4px 4px 4px rgb(138, 110,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0912, 18.5688, 28.8581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 110, 144) }
```

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

```
.background{ background-color: rgb(138,  
110, 144) }
```

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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