

Converting Colors

XYZ(12.9368, 6.4290, 11.4582)

Have a look what the booklet for
XYZ(12.9368, 6.4290, 11.4582)
contains.

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Color

**XYZ(12.8808, 6.4017,
11.3832)**

Conversions

Conversions Part 1

Format	Color
Hex	8C005F
RGB	140, 0, 95
RGB Percent	55%, 0%, 37%
CMY	0.4510, 0.9999, 0.6275
CMYK	0.00, 1.00, 0.32, 0.45
HSL	319°, 100%, 27%
HSV	319°, 100%, 55%
XYZ	12.8808, 6.4017, 11.3832
YIQ	52.6900, 52.9450, 59.2250

Conversions

Conversions Part 2

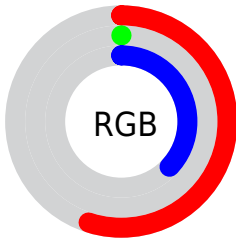
Format	Color
R_{YB}	140, 0, 95
Decimal	9175135
CIE _{Lab}	30.40, 56.81, -14.21
CIE _{LCh}	30, 58.558, 345.956
Yxy	6.4017, 0.4200, 0.2088
Android (android.graphics.Color)	4287365215 (0xFF8C005F)
YUV	52.6900, 20.8588, 76.5709
Hunter-Lab	25.3016, 46.5949, -8.9635

Details

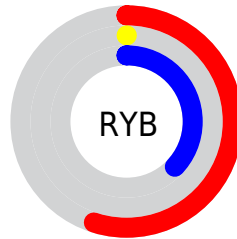
The XYZ color **12.8808, 6.4017, 11.3832** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.8523, 18.9459, 5.6220**, and the grayscale version is **3.3188, 3.4917, 3.8024**.

A 20% lighter version of the original color is **30.8596, 18.8462, 29.2053**, and **4.3007, 2.1530, 3.0946** is the 20% darker color. If you saturate the color by 10%, you get **12.8806, 6.4016, 11.3820**, and if you desaturate by 10%, it is **13.2487, 6.8005, 12.5446**.

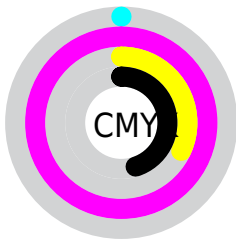
Distribution



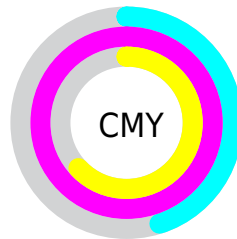
- Red (55%)
- Green (0%)
- Blue (37%)



- Red (55%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (45%)




- Cyan (45%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8808, 6.4017, 11.3832 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 12.8808, 6.4017, 11.3832 by changing the saturation by 10% instead.


 12.8808, 6.4017,
11.3832


 12.8808, 6.4017,
11.3832


203.8054,
162.5954, 211.1089


 7.4229, 3.0908,
6.2078


 30.6926, 18.7591,
29.0140


 3.7767, 1.1793,
2.9010

 43.7773, 28.5743,
42.3065


 1.5766, 0.0447,
1.0443

 60.1349, 41.3266,
59.1418

 0.3771, 0.0000,
0.0000


 80.1309, 57.4001,
79.9384


 0.0000, 0.0000,
0.0000

 104.1306, 77.1794,
105.1149


 132.4993,

101.0488, 135.0898

 165.6025,
129.3926, 170.2816


 12.8808, 6.4017,
11.3832


 12.8808, 6.4017,
11.3832


 12.8806, 6.4016,
11.3820

 13.2487, 6.8005,
12.5446

 13.7297, 7.4063,
13.8029

 14.3774, 8.3260,
15.1771

 15.2110, 9.5977,
16.6743

 16.2470, 11.2541,
18.3010

■ 17.4999, 13.3239,
20.0629

■ 18.9830, 15.8334,
21.9652

■ 20.7083, 18.8063,
24.0129

■ 22.6871, 22.2650,
26.2104

Harmonies

Analogous

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



10.7911, 6.4017, 23.9431



12.8808, 6.4017, 11.3832



12.8049, 6.4017, 3.5528

Triad

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



12.8808, 6.4017, 11.3832



4.7306, 6.4017, 0.0000



3.0742, 6.4017, 24.7745

Complementary

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



12.8808, 6.4017, 11.3832



9.8523, 18.9459, 5.6220

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.



2.2570, 6.4017, 12.0809



12.8808, 6.4017, 11.3832



2.9949, 6.4017, 0.8187

Square

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



12.8808, 6.4017, 11.3832



7.4758, 6.4017, 0.0000



2.2333, 6.4017, 3.8769



4.8777, 6.4017, 34.8554

Rectangle

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



12.8808, 6.4017, 11.3832



11.5167, 6.4017, 1.2926



2.2333, 6.4017, 3.8769



2.7029, 6.4017, 20.3721

Sweetspot

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



12.8810, 6.4021, 11.3833



33.2868, 27.6057, 38.5019



5.7874, 2.4370, 24.9764



7.4367, 5.9642, 8.5785



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.8810, 6.4021, 11.3833



22.6334, 11.2561, 19.6689



10.9983, 5.6490, 1.4693



5.1666, 5.1021, 5.9657



11.4542, 5.6918, 10.1619



0.0828, 0.0405, 0.1028

Inverse Universe

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



12.8810, 6.4021, 11.3833



22.6334, 11.2561, 19.6689



12.4348, 19.9789, 19.2212



5.1666, 5.1021, 5.9657



11.4542, 5.6918, 10.1619



0.0828, 0.0405, 0.1028

Previews

White Background



This preview shows how the XYZ color 12.8808, 6.4017, 11.3832 looks on a white background.

Color Contrast Check

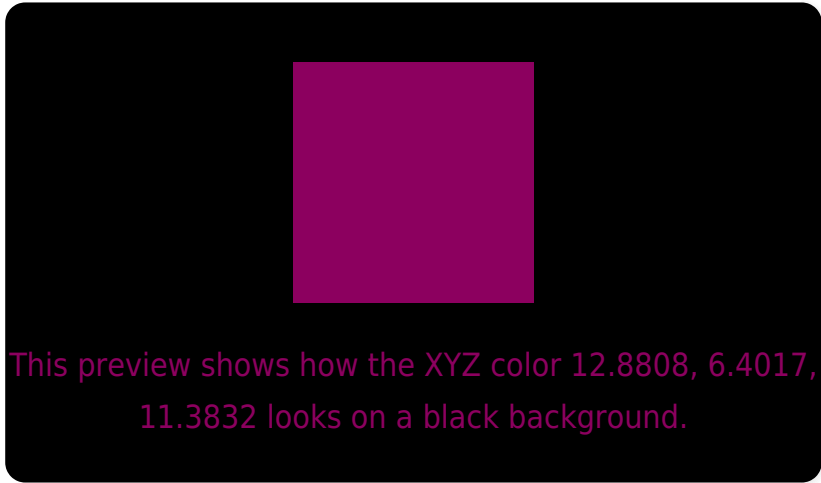
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

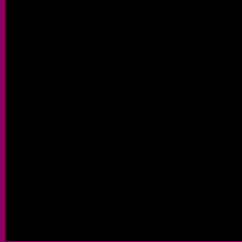
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8808, 6.4017, 11.3832

Background



This preview shows how black text looks on a background with the XYZ color 12.8808, 6.4017, 11.3832.



This preview shows how white text looks on a background with the XYZ color 12.8808, 6.4017,

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

12.8808, 6.4017, 11.3832

Protanopia

7.8652, 7.0781, 24.2442

Deuteranopia

7.0874, 6.9822, 10.4254



Tritanopia

11.2127, 6.7670, 2.6346

Trichromacy



Original Color

12.8808, 6.4017, 11.3832

Protanomaly

7.6526, 4.9967, 18.6503

Deuteranomaly

8.0109, 5.3620, 10.5103

Tritanomaly

11.4326, 6.2874, 4.7487

Monochromacy



Original Color

12.8808, 6.4017, 11.3832

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.3617, 3.4927, 5.8604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8808, 6.4017, 11.3832 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(140, 0, 95)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 95)  
}
```

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(140, 0, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.8808, 6.4017, 11.3832 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(140, 0, 95) }
```


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

```
.border{ border-color:rgb(140, 0, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 0, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8808, 6.4017, 11.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 95) }
```

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

```
.background{ background-color: rgb(140, 0,  
95) }
```

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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