

Converting Colors

XYZ(12.1101, 8.0082, 17.9031)

Have a look what the booklet for
XYZ(12.1101, 8.0082, 17.9031)
contains.

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Color

**XYZ(12.2044, 8.0858,
18.0570)**

Conversions

Conversions Part 1

Format	Color
Hex	763976
RGB	118, 57, 118
RGB Percent	46%, 22%, 46%
CMY	0.5372, 0.7765, 0.5373
CMYK	0.00, 0.52, 0.00, 0.54
HSL	300°, 35%, 34%
HSV	300°, 52%, 46%
XYZ	12.2044, 8.0858, 18.0570
YIQ	82.1930, 16.7750, 31.9030

Conversions

Conversions Part 2

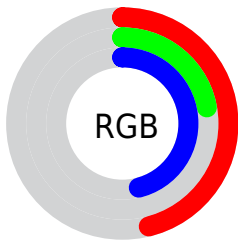
Format	Color
R_{YB}	118, 57, 118
Decimal	7747958
CIE _{Lab}	34.16, 36.04, -23.40
CIE _{LCh}	34, 42.967, 327.007
Yxy	8.0858, 0.3183, 0.2109
Android (android.graphics.Color)	4285938038 (0xFF763976)
YUV	82.1930, 17.6529, 31.4027
Hunter-Lab	28.4355, 26.8492, -17.7452

Details

The XYZ color **12.2044, 8.0858, 18.0570** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **8.9047, 14.1226, 6.1280**, and the grayscale version is **8.0223, 8.4401, 9.1913**.

A 20% lighter version of the original color is **29.5267, 22.1883, 40.7568**, and **3.4432, 1.7315, 5.7830** is the 20% darker color. If you saturate the color by 10%, you get **11.6875, 7.0519, 17.8847**, and if you desaturate by 10%, it is **12.8574, 9.3917, 18.2748**.

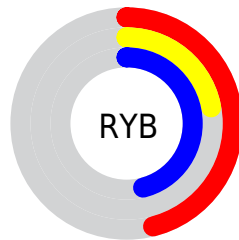
Distribution



Red (46%)

Green (22%)

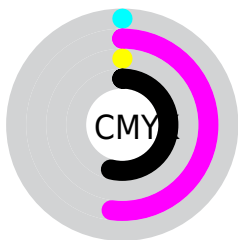
Blue (46%)



Red (46%)

Yellow (22%)

Blue (46%)

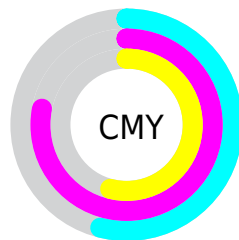


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (54%)



Cyan (54%)

Magenta (78%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2044, 8.0858, 18.0570 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 12.2044, 8.0858, 18.0570 by changing the saturation by 10% instead.

12.2044, 8.0858,
18.0570

12.2044, 8.0858,
18.0570

199.4962,
176.4034, 253.4390

6.9562, 4.1499,
10.8211

29.4805, 22.1265,
40.9497

3.4808, 1.7578,
5.8340

42.2391, 33.0000,
57.4435

1.4128, 0.4606,
2.6772

58.2319, 46.9549,
77.8603

0.2653, 0.0000,
0.9319

77.8242, 64.3756,
102.6188

0.0000, 0.0000,
0.0000

101.3815, 85.6464,
132.1373

129.2690,

111.1517, 166.8345

161.8521,
141.2759, 207.1289

■ 12.2044, 8.0858,
18.0570

■ 12.2044, 8.0858,
18.0570

■ 11.6875, 7.0519,
17.8847

■ 12.8574, 9.3917,
18.2748

■ 11.2965, 6.2698,
17.7543

■ 13.6544, 10.9857,
18.5405

■ 11.0208, 5.7184,
17.6624

■ 14.6036, 12.8840,
18.8570

■ 10.8478, 5.3724,
17.6046

■ 15.7123, 15.1012,
19.2266

■ 10.7414, 5.1596,
17.5691

■ 16.9872, 17.6512,
19.6516

■ 18.4350, 20.5468,
20.1343

■ 20.0618, 23.8002,
20.6766

■ 21.8732, 27.4230,
21.2805

■ 23.8749, 31.4265,
21.9478

Harmonies

Analogous

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



9.9593, 8.0858, 26.4338



12.2044, 8.0858, 18.0570



13.2290, 8.0858, 9.5072

Triad

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



12.2044, 8.0858, 18.0570



7.9271, 8.0858, 1.1262



4.2832, 8.0858, 16.2081

Complementary

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



12.2044, 8.0858, 18.0570



8.9047, 14.1226, 6.1280

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.



3.9577, 8.0858, 8.1365



12.2044, 8.0858, 18.0570



5.7868, 8.0858, 1.5244

Square

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



12.2044, 8.0858, 18.0570



10.4600, 8.0858, 1.7473



4.4473, 8.0858, 3.4174



5.4506, 8.0858, 25.0332

Rectangle

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



12.2044, 8.0858, 18.0570



12.9522, 8.0858, 5.4967



4.4473, 8.0858, 3.4174



4.0837, 8.0858, 13.2268

Sweetspot

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



12.2047, 8.0862, 18.0572



26.6738, 24.6465, 33.4882



6.4208, 5.1045, 17.7868



6.0631, 5.5273, 7.6762



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.2047, 8.0862, 18.0572



20.4066, 12.1124, 31.3987



10.6755, 7.4745, 10.0048



3.8266, 3.7579, 4.6139



11.6204, 5.5819, 19.0068



56.6275, 27.2011, 92.6226

Inverse Universe

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



12.2047, 8.0862, 18.0572



20.4066, 12.1124, 31.3987



9.9070, 14.5235, 11.4059



3.8266, 3.7579, 4.6139



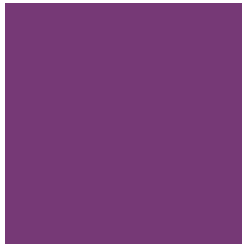
11.6204, 5.5819, 19.0068



56.6275, 27.2011, 92.6226

Previews

White Background



This preview shows how the XYZ color 12.2044, 8.0858, 18.0570 looks on a white background.

Color Contrast Check

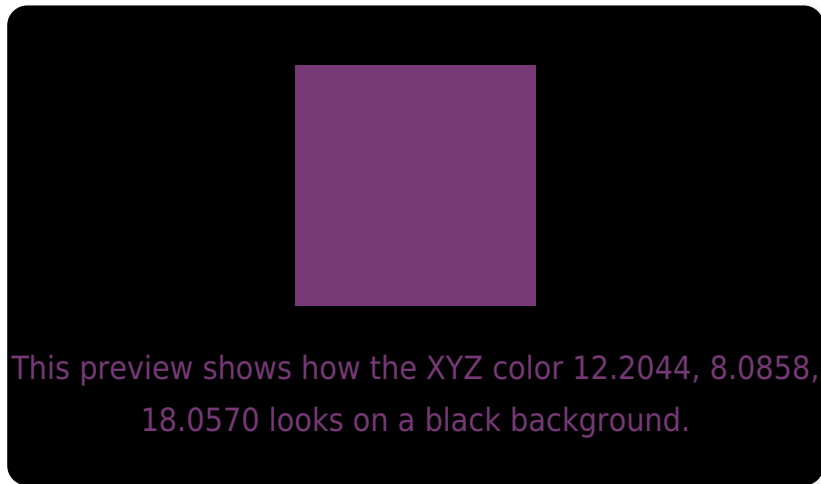
Large Text (above 18pt) WCAG AA ✓ Pass

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

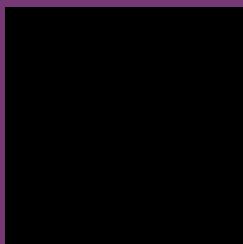
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2044, 8.0858, 18.0570

Background



This preview shows how black text looks on a background with the XYZ color 12.2044, 8.0858, 18.0570.



This preview shows how white text looks on a background with the XYZ color 12.2044, 8.0858,

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

12.2044, 8.0858, 18.0570

Protanopia

8.9422, 8.2389, 24.7859

Deuteranopia

8.3602, 8.2174, 17.0651



Tritanopia

10.0798, 8.1260, 7.3405

Trichromacy



Original Color

12.2044, 8.0858, 18.0570

Protanomaly

9.5070, 7.7804, 22.1198

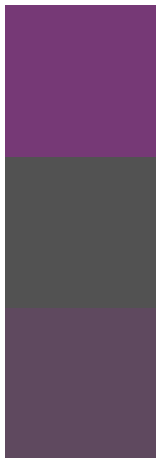
Deuteranomaly

9.3424, 7.8988, 17.2519

Tritanomaly

10.7068, 8.0329, 10.4374

Monochromacy



Original Color

12.2044, 8.0858, 18.0570

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.1674, 8.0242, 11.8921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2044, 8.0858, 18.0570 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(118, 57, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 57, 118)  
}
```

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(118, 57, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 57, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.2044, 8.0858, 18.0570 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(118, 57, 118) }
```


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

```
.border{ border-color:rgb(118, 57, 118) }
```

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

Here you see how a box with a 4 pixel rgb(118, 57, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 57, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 57, 118);  
box-shadow:4px 4px 4px 4px rgb(118, 57,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2044, 8.0858, 18.0570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 57, 118) }
```

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

```
.background{ background-color: rgb(118, 57,  
118) }
```

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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