

Converting Colors

XYZ(12.2663, 8.9682, 17.6344)

Have a look what the booklet for
XYZ(12.2663, 8.9682, 17.6344)
contains.

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Color

**XYZ(12.2298, 8.9201,
17.6002)**

Conversions

Conversions Part 1

Format	Color
Hex	734374
RGB	115, 67, 116
RGB Percent	45%, 26%, 45%
CMY	0.5490, 0.7372, 0.5451
CMYK	0.01, 0.42, 0.00, 0.55
HSL	299°, 27%, 36%
HSV	299°, 42%, 45%
XYZ	12.2298, 8.9201, 17.6002
YIQ	86.9380, 12.8790, 25.4150

Conversions

Conversions Part 2

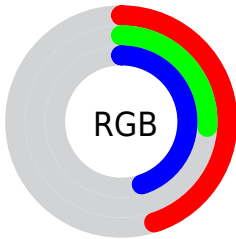
Format	Color
R_{YB}	115, 67, 116
Decimal	7553908
CIE _{Lab}	35.83, 29.02, -19.59
CIE _{LCh}	36, 35.009, 325.984
Yxy	8.9201, 0.3156, 0.2302
Android (android.graphics.Color)	4285743988 (0xFF734374)
YUV	86.9380, 14.3276, 24.6104
Hunter-Lab	29.8665, 20.8260, -14.0327

Details

The XYZ color **12.2298, 8.9201, 17.6002** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.6427, 14.1252, 7.5288**, and the grayscale version is **9.0143, 9.4837, 10.3277**.

A 20% lighter version of the original color is **29.4617, 23.6428, 40.0565**, and **3.4915, 2.0775, 5.6858** is the 20% darker color. If you saturate the color by 10%, you get **11.5771, 7.6606, 17.3916**, and if you desaturate by 10%, it is **13.0214, 10.4567, 17.8552**.

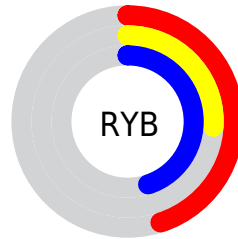
Distribution



Red (45%)

Green (26%)

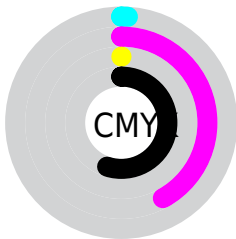
Blue (45%)



Red (45%)

Yellow (26%)

Blue (45%)

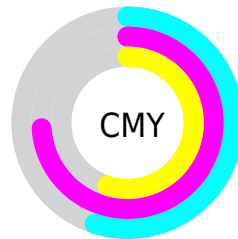


Cyan (1%)

Magenta (42%)

Yellow (0%)

Black (55%)



Cyan (55%)

Magenta (74%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2298, 8.9201, 17.6002 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 12.2298, 8.9201, 17.6002 by changing the saturation by 10% instead.

12.2298, 8.9201,
17.6002

12.2298, 8.9201,
17.6002

199.6597,
182.7807, 250.7678

6.9737, 4.6891,
10.4969

29.5262, 23.7434,
40.1596

3.4918, 2.0660,
5.6197

42.2972, 35.1046,
56.4527

1.4189, 0.6454,
2.5502

58.3039, 49.6112,
76.6462

0.2696, 0.0000,
0.8666

77.9115, 67.6477,
101.1586

0.0000, 0.0000,
0.0000

101.4856, 89.5986,
130.4084

129.3915,

115.8481, 164.8142

161.9944,
146.7807, 204.7945

■ 12.2298, 8.9201,
17.6002

■ 12.2298, 8.9201,
17.6002

■ 11.5771, 7.6606,
17.3916

■ 13.0214, 10.4567,
17.8552

■ 11.0541, 6.6606,
17.2262

■ 13.9585, 12.2846,
18.1586

■ 10.6518, 5.9019,
17.1009

■ 15.0485, 14.4182,
18.5130

■ 10.3599, 5.3639,
17.0125

■ 16.2981, 16.8707,
18.9205

■ 10.1659, 5.0216,
16.9566

■ 17.7134, 19.6546,
19.3833

■ 10.0444, 4.8139,
16.9229

■ 19.3003, 22.7815,
19.9032

■ 21.0643, 26.2627,
20.4822

■ 23.0110, 30.1089,
21.1219

■ 25.1453, 34.3303,
21.8243

Harmonies

Analogous

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



10.3472, 8.9201, 24.0116



12.2298, 8.9201, 17.6002



13.1083, 8.9201, 10.5341

Triad

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



12.2298, 8.9201, 17.6002



8.7605, 8.9201, 2.1958



5.3764, 8.9201, 15.6212

Complementary

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



12.2298, 8.9201, 17.6002



9.6427, 14.1252, 7.5288

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.



5.0914, 8.9201, 8.9348



12.2298, 8.9201, 17.6002



6.8492, 8.9201, 2.6407

Square

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



12.2298, 8.9201, 17.6002



10.9093, 8.9201, 2.9906



5.5851, 8.9201, 4.6239



6.4383, 8.9201, 22.5794

Rectangle

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



12.2298, 8.9201, 17.6002



12.9163, 8.9201, 6.8960



5.5851, 8.9201, 4.6239



5.1948, 8.9201, 13.2072

Sweetspot

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



12.2301, 8.9205, 17.6004



26.2301, 24.9089, 32.4699



7.5731, 6.6659, 17.4107



6.1705, 5.7717, 7.7178



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.



12.2301, 8.9205, 17.6004



20.3449, 13.4556, 30.5694



11.1916, 8.5204, 11.4420



3.8196, 3.7543, 4.6136



11.2700, 5.4012, 18.9911



54.8270, 26.2728, 92.5418

Inverse Universe

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



10.2533, 8.1450, 6.5009



16.3706, 11.8990, 8.1419



10.4002, 14.4202, 11.8787



3.6867, 3.7020, 3.8769



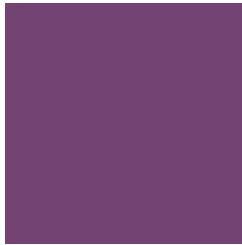
8.0965, 4.1723, 0.4503



39.4164, 20.3167, 1.9904

Previews

White Background



This preview shows how the XYZ color 12.2298, 8.9201, 17.6002 looks on a white background.

Color Contrast Check

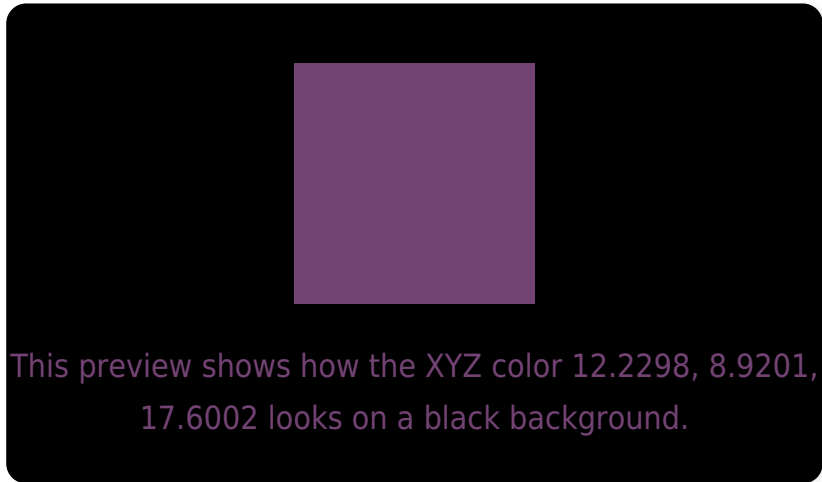
Large Text (above 18pt) WCAG AA ✓ Pass

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

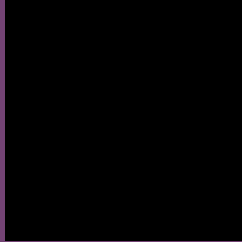
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2298, 8.9201, 17.6002

Background



This preview shows how black text looks on a background with the XYZ color 12.2298, 8.9201, 17.6002.



This preview shows how white text looks on a background with the XYZ color 12.2298, 8.9201,

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

12.2298, 8.9201, 17.6002

Protanopia

9.5099, 9.0367, 22.0119

Deuteranopia

9.1345, 8.9565, 16.8701



Tritanopia

10.3945, 8.9263, 8.7645

Trichromacy



Original Color

12.2298, 8.9201, 17.6002

Protanomaly

10.1297, 8.7414, 20.2222

Deuteranomaly

10.0055, 8.7468, 17.0805

Tritanomaly

10.9752, 8.8698, 11.4895

Monochromacy



Original Color

12.2298, 8.9201, 17.6002

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.0030, 9.1606, 12.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2298, 8.9201, 17.6002 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(115, 67, 116)` looks like.

```
.text, #text, p{  
    color:rgb(115, 67, 116)  
}
```

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(115, 67, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 67, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.2298, 8.9201, 17.6002 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(115, 67, 116) }
```


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

```
.border{ border-color:rgb(115, 67, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 67, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 67, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 67, 116);  
box-shadow:4px 4px 4px 4px rgb(115, 67,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2298, 8.9201, 17.6002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 67, 116) }
```

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

```
.background{ background-color: rgb(115, 67,  
116) }
```

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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