

Converting Colors

XYZ(12.1032, 10.8166, 21.6998)

Have a look what the booklet for
XYZ(12.1032, 10.8166, 21.6998)
contains.

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Color

**XYZ(12.1283, 10.8617,
21.8794)**

Conversions

Conversions Part 1

Format	Color
Hex	605780
RGB	96, 87, 128
RGB Percent	38%, 34%, 50%
CMY	0.6235, 0.6588, 0.4980
CMYK	0.25, 0.32, 0.00, 0.50
HSL	253°, 19%, 42%
HSV	253°, 32%, 50%
XYZ	12.1283, 10.8617, 21.8794
YIQ	94.3650, -7.7970, 14.6590

Conversions

Conversions Part 2

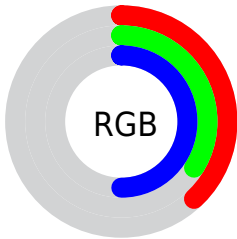
Format	Color
R_{YB}	96, 87, 128
Decimal	6313856
CIE _{Lab}	39.35, 13.16, -21.72
CIE _{LCh}	39, 25.396, 301.214
Yxy	10.8617, 0.2703, 0.2421
Android (android.graphics.Color)	4284503936 (0xFF605780)
YUV	94.3650, 16.5821, 1.4339
Hunter-Lab	32.9571, 8.0136, -16.2912

Details

The XYZ color **12.1283, 10.8617, 21.8794** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.0477, 20.0488, 11.9886**, and the grayscale version is **10.6893, 11.2460, 12.2468**.

A 20% lighter version of the original color is **29.3188, 27.4306, 47.4654**, and **3.4582, 2.8488, 7.7647** is the 20% darker color. If you saturate the color by 10%, you get **10.1973, 8.4621, 21.5182**, and if you desaturate by 10%, it is **14.3774, 13.6987, 22.3086**.

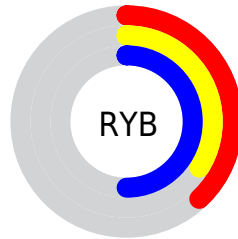
Distribution



Red (38%)

Green (34%)

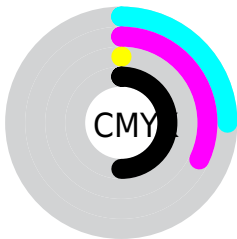
Blue (50%)



Red (38%)

Yellow (34%)

Blue (50%)

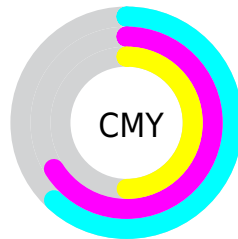


Cyan (25%)

Magenta (32%)

Yellow (0%)

Black (50%)



Cyan (62%)

Magenta (66%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1283, 10.8617, 21.8794 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 12.1283, 10.8617, 21.8794 by changing the saturation by 10% instead.

■ 12.1283, 10.8617,
21.8794

■ 12.1283, 10.8617,
21.8794

199.0054,
196.7163, 274.8488

■ 6.9039, 5.9739,
13.5708

■ 29.3434, 27.4041,
47.4462

■ 3.4479, 2.8292,
7.6875

■ 42.0648, 39.8276,
65.5416

■ 1.3948, 1.0432,
3.8107

■ 58.0160, 55.5317,
87.7363

■ 0.2525, 0.0000,
1.5221

■ 77.5623, 74.9009,
114.4488

■ 0.0000, 0.0000,
0.2343

■ 101.0690, 98.3196,
146.0978

■ 0.0000, 0.0000,
0.0000

128.9015,

126.1721, 183.1018

161.4252,
158.8428, 225.8792

■ 12.1283, 10.8617,
21.8794

■ 12.1283, 10.8617,
21.8794

■ 10.1973, 8.4621,
21.5182

■ 14.3774, 13.6987,
22.3086

■ 8.5687, 6.4764,
21.2208

■ 16.9573, 16.9920,
22.8083

■ 7.2268, 4.8813,
20.9836

■ 19.8812, 20.7614,
23.3818

■ 6.1543, 3.6502,
20.8025

■ 23.1613, 25.0248,
24.0318

■ 5.3316, 2.7534,
20.6727

■ 26.8092, 29.7994,
24.7612

■ 4.7366, 2.1561,
20.5888

■ 30.8361, 35.1013,
25.5723

■ 4.3778, 1.8067,
20.5403

■ 35.2524, 40.9461,
26.4677

■ 40.0684, 47.3487,
27.4497

■ 45.2939, 54.3235,
28.5205

Harmonies

Analogous

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



10.3937, 10.8617, 24.0012



12.1283, 10.8617, 21.8794



13.4912, 10.8617, 16.9810

Triad

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



12.1283, 10.8617, 21.8794



11.9941, 10.8617, 5.3313



7.3659, 10.8617, 12.0277

Complementary

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



12.1283, 10.8617, 21.8794



17.0477, 20.0488, 11.9886

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.



7.6954, 10.8617, 7.8375



12.1283, 10.8617, 21.8794



10.2540, 10.8617, 4.6754

Square

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



12.1283, 10.8617, 21.8794



13.4079, 10.8617, 7.5771



8.7077, 10.8617, 5.4497



7.7529, 10.8617, 17.4257

Rectangle

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



12.1283, 10.8617, 21.8794



13.9368, 10.8617, 13.3283



8.7077, 10.8617, 5.4497



7.3962, 10.8617, 10.4421

Sweetspot

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



12.1287, 10.8621, 21.8796



30.7368, 31.0484, 40.3292



14.4379, 16.8066, 22.9053



7.0602, 7.0945, 9.4156



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1287, 10.8621, 21.8796



18.9680, 16.1513, 38.0741



14.5584, 12.1147, 21.9934



4.1903, 4.2537, 5.4135



4.3419, 1.7920, 20.3670



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.6405, 12.7380, 19.0877



26.1618, 19.9984, 32.1550



14.5437, 18.7579, 11.8714



4.4590, 4.3968, 5.2217



11.1039, 5.4613, 12.4029



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1283, 10.8617, 21.8794 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 12.1283, 10.8617, 21.8794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

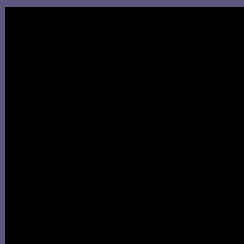
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1283, 10.8617, 21.8794

Background



This preview shows how black text looks on a background with the XYZ color 12.1283, 10.8617, 21.8794.



This preview shows how white text looks on a background with the XYZ color 12.1283, 10.8617,

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

12.1283, 10.8617, 21.8794

Protanopia

11.1461, 10.8263, 22.9750

Deuteranopia

11.1376, 10.9804, 21.6111



Tritanopia

10.5290, 10.9729, 13.6196

Trichromacy



Original Color

12.1283, 10.8617, 21.8794

Protanomaly

11.5232, 10.9025, 22.6161

Deuteranomaly

11.4174, 10.8709, 21.5752

Tritanomaly

11.0698, 10.9351, 16.2791

Monochromacy



Original Color

12.1283, 10.8617, 21.8794

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.0619, 10.9557, 15.1673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1283, 10.8617, 21.8794 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(96, 87, 128) looks like.

```
.text, #text, p{  
    color:rgb(96, 87, 128)  
}
```

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(96, 87, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 87, 128) }
```

Border

The CSS property to change the border of an element to XYZ 12.1283, 10.8617, 21.8794 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(96, 87, 128) }
```


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

```
.border{ border-color:rgb(96, 87, 128) }
```

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

Here you see how a box with a 4 pixel rgb(96, 87, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 87, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 87, 128);  
box-shadow:4px 4px 4px 4px rgb(96, 87,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1283, 10.8617, 21.8794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 87, 128) }
```

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

```
.background{ background-color: rgb(96, 87,  
128) }
```

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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