

Converting Colors

XYZ(12.7857, 12.2040, 9.6728)

Have a look what the booklet for
XYZ(12.7857, 12.2040, 9.6728)
contains.

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Color

**XYZ(12.7735, 12.2198,
9.6681)**

Conversions

Conversions Part 1

Format	Color
Hex	755D52
RGB	117, 93, 82
RGB Percent	46%, 36%, 32%
CMY	0.5412, 0.6353, 0.6784
CMYK	0.00, 0.21, 0.30, 0.54
HSL	19°, 18%, 39%
HSV	19°, 30%, 46%
XYZ	12.7735, 12.2198, 9.6681
YIQ	98.9220, 17.8350, 1.6670

Conversions

Conversions Part 2

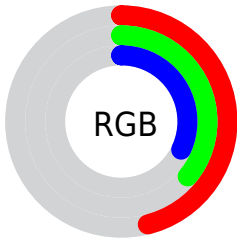
Format	Color
R_{YB}	117, 98, 82
Decimal	7691602
CIE Lab	41.56, 7.99, 10.02
CIE LCh	42, 12.818, 51.426
Yxy	12.2198, 0.3685, 0.3525
Android (android.graphics.Color)	4285881682 (0xFF755D52)
YUV	98.9220, -8.3425, 15.8544
Hunter-Lab	34.9568, 4.0508, 8.0718

Details

The XYZ color **12.7735, 12.2198, 9.6681** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8446, 13.3860, 18.7893**, and the grayscale version is **11.8575, 12.4751, 13.5853**.

A 20% lighter version of the original color is **30.4968, 29.8297, 25.6231**, and **3.7343, 3.3955, 2.2088** is the 20% darker color. If you saturate the color by 10%, you get **11.6982, 10.7219, 7.2973**, and if you desaturate by 10%, it is **13.9993, 13.8970, 12.4640**.

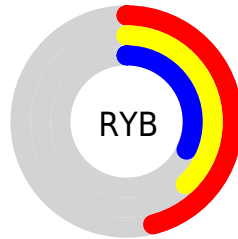
Distribution



Red (46%)

Green (36%)

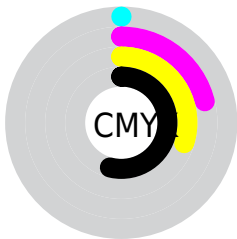
Blue (32%)



Red (46%)

Yellow (38%)

Blue (32%)

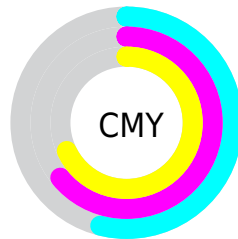


Cyan (0%)

Magenta (21%)

Yellow (30%)

Black (54%)



Cyan (54%)

Magenta (64%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7735, 12.2198, 9.6681 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 12.7735, 12.2198, 9.6681 by changing the saturation by 10% instead.

■ 12.7735, 12.2198,
9.6681

■ 12.7735, 12.2198,
9.6681

203.1280,
205.8550, 198.6845

■ 7.3487, 6.8936,
5.0767

■ 30.5011, 29.8948,
25.7673

■ 3.7294, 3.3956,
2.2328

■ 43.5345, 43.0123,
38.1122

■ 1.5502, 1.3416,
0.6932

■ 59.8349, 59.4958,
53.8788

■ 0.3596, 0.1731,
0.0000

■ 79.7675, 79.7295,
73.4855

■ 0.0000, 0.0000,
0.0000

■ 103.6978,
104.0979, 97.3509

131.9911,

132.9853, 125.8935

165.0127,
166.7763, 159.5318

■ 12.7735, 12.2198,
9.6681

■ 12.7735, 12.2198,
9.6681

■ 11.6982, 10.7219,
7.2973

■ 13.9993, 13.8970,
12.4640

■ 10.7663, 9.3955,
5.3297

■ 15.3803, 15.7575,
15.7038

■ 9.9715, 8.2348,
3.7428

■ 16.9224, 17.8075,
19.4061

■ 9.3067, 7.2328,
2.5113

■ 18.6307, 20.0521,
23.5882

■ 8.7641, 6.3822,
1.6071

■ 20.5100, 22.4965,
28.2664

■ 8.3348, 5.6748,
0.9975

■ 22.5652, 25.1455,
33.4565

■ 7.9936, 5.0958,
0.5652

■ 24.8006, 28.0037,
39.1734

■ 7.9909, 5.0913,
0.5616

■ 27.2208, 31.0758,
45.4314

■ 29.8299, 34.3662,
52.2442

Harmonies

Analogous

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



13.3721, 12.2198, 11.5095



12.7735, 12.2198, 9.6681



11.8850, 12.2198, 8.8309

Triad

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



12.7735, 12.2198, 9.6681



9.9240, 12.2198, 12.5514



12.2846, 12.2198, 18.7044

Complementary

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



12.7735, 12.2198, 9.6681



11.8446, 13.3860, 18.7893

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.



11.3482, 12.2198, 19.0818



12.7735, 12.2198, 9.6681



10.0182, 12.2198, 15.2788

Square

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



12.7735, 12.2198, 9.6681



10.2633, 12.2198, 10.3427



10.5279, 12.2198, 17.7564



13.0795, 12.2198, 16.7856

Rectangle

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



12.7735, 12.2198, 9.6681



11.2616, 12.2198, 8.8648



10.5279, 12.2198, 17.7564



11.9748, 12.2198, 19.0251

Sweetspot

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



12.7738, 12.2204, 9.6684



27.7204, 28.4562, 28.5459



12.9812, 10.8677, 15.1861



6.3025, 6.4477, 6.3948



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.



12.7738, 12.2204, 9.6684



21.4952, 19.9676, 14.2567



14.4352, 15.5431, 10.2221



3.7692, 3.8714, 3.8909



8.7912, 5.5837, 0.6144



42.1525, 25.8335, 2.7647

Inverse Universe

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



11.8446, 13.3860, 18.7893



19.5381, 22.4121, 33.4332



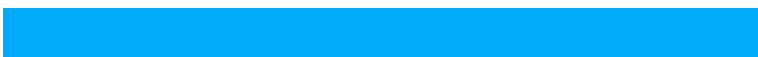
10.2631, 10.2232, 18.2621



3.6909, 3.9704, 4.6621



6.7021, 7.7440, 19.6841



31.8678, 36.1523, 95.6588

Previews

White Background



This preview shows how the XYZ color 12.7735, 12.2198, 9.6681 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 12.7735, 12.2198, 9.6681 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 12.7735, 12.2198, 9.6681

Background



This preview shows how black text looks on a background with the XYZ color 12.7735, 12.2198, 9.6681.



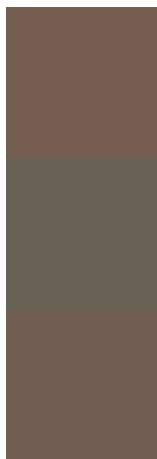
This preview shows how white text looks on a background with the XYZ color 12.7735, 12.2198,

9.6681.

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

12.7735, 12.2198, 9.6681

Protanopia

11.5614, 12.2590, 10.1444

Deuteranopia

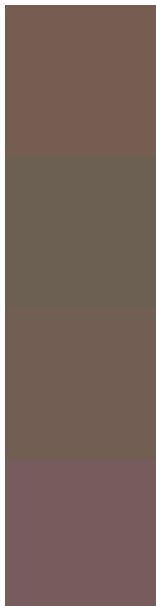
12.3357, 12.1253, 9.6729



Tritanopia

13.5534, 12.2860, 13.2124

Trichromacy



Original Color

12.7735, 12.2198, 9.6681

Protanomaly

11.9285, 12.1784, 9.9056

Deuteranomaly

12.4651, 12.1920, 9.6790

Tritanomaly

13.2301, 12.2786, 11.7979

Monochromacy



Original Color

12.7735, 12.2198, 9.6681

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1943, 12.4039, 12.1074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7735, 12.2198, 9.6681 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(117, 93, 82)` looks like.

```
.text, #text, p{  
    color:rgb(117, 93, 82)  
}
```

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(117, 93, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.7735, 12.2198, 9.6681 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(117, 93, 82) }
```


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

```
.border{ border-color:rgb(117, 93, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 93, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 82);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7735, 12.2198, 9.6681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 93, 82) }
```

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

```
.background{ background-color: rgb(117, 93,  
82) }
```

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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