

Converting Colors

XYZ(12.8334, 12.0425, 12.0570)

Have a look what the booklet for
XYZ(12.8334, 12.0425, 12.0570)
contains.

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Color

**XYZ(12.8732, 12.0894,
12.0109)**

Conversions

Conversions Part 1

Format	Color
Hex	735C5D
RGB	115, 92, 93
RGB Percent	45%, 36%, 36%
CMY	0.5490, 0.6392, 0.6353
CMYK	0.00, 0.20, 0.19, 0.55
HSL	357°, 11%, 41%
HSV	357°, 20%, 45%
XYZ	12.8732, 12.0894, 12.0109
YIQ	98.9910, 13.3870, 5.1870

Conversions

Conversions Part 2

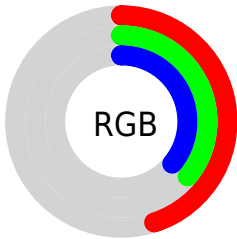
Format	Color
R _Y B	115, 92, 93
Decimal	7560285
CIE Lab	41.36, 9.54, 2.97
CIE LCh	41, 9.996, 17.312
Yxy	12.0894, 0.3482, 0.3270
Android (android.graphics.Color)	4285750365 (0xFF735C5D)
YUV	98.9910, -2.9536, 14.0399
Hunter-Lab	34.7698, 5.2408, 3.8577

Details

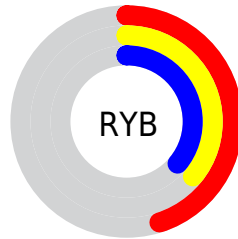
The XYZ color **12.8732, 12.0894, 12.0109** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5822, 15.7521, 18.2450**, and the grayscale version is **11.8625, 12.4803, 13.5911**.

A 20% lighter version of the original color is **30.5673, 29.5447, 30.0782**, and **3.7369, 3.3175, 3.1327** is the 20% darker color. If you saturate the color by 10%, you get **11.4989, 10.0653, 9.3193**, and if you desaturate by 10%, it is **14.4695, 14.4452, 15.1227**.

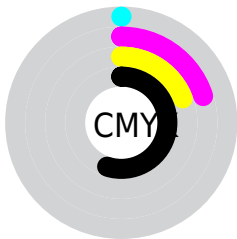
Distribution



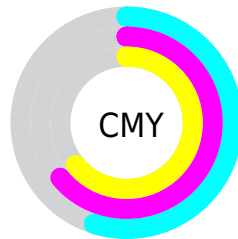
- Red (45%)
- Green (36%)
- Blue (36%)



- Red (45%)
- Yellow (36%)
- Blue (36%)



- Cyan (0%)
- Magenta (20%)
- Yellow (19%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8732, 12.0894, 12.0109 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 12.8732, 12.0894, 12.0109 by changing the saturation by 10% instead.

■ 12.8732, 12.0894,
12.0109

■ 12.8732, 12.0894,
12.0109

203.7575,
204.9962, 215.4579

■ 7.4177, 6.8046,
6.6285

■ 30.6791, 29.6578,
30.1797

■ 3.7733, 3.3402,
3.1560

■ 43.7601, 42.7102,
43.8031

■ 1.5747, 1.3118,
1.1748

■ 60.1137, 59.1206,
61.0105

■ 0.3758, 0.1503,
0.0000

■ 80.1052, 79.2734,
82.2206

■ 0.0000, 0.0000,
0.0000

104.1000,
103.5530, 107.8519

132.4634,

132.3437, 138.3228

165.5608,
166.0300, 174.0520

■ 12.8732, 12.0894,
12.0109

■ 12.8732, 12.0894,
12.0109

■ 11.4989, 10.0653,
9.3193

■ 14.4695, 14.4452,
15.1227

■ 10.3359, 8.3563,
7.0292

■ 16.2961, 17.1448,
18.6708

■ 9.3740, 6.9473,
5.1215

■ 18.3618, 20.2020,
22.6715

■ 8.6017, 5.8208,
3.5755

■ 20.6749, 23.6290,
27.1398

■ 8.0066, 4.9578,
2.3683

■ 23.2433, 27.4376,
32.0902

■ 7.5746, 4.3369,
1.4745

■ 26.0743, 31.6391,
37.5366

■ 7.2894, 3.9333,
0.8650

■ 29.1752, 36.2444,
43.4921

■ 7.0977, 3.6559,
0.4749

■ 32.5529, 41.2638,
49.9696

■ 7.0977, 3.6558,
0.4749

■ 36.2139, 46.7073,
56.9814

Harmonies

Analogous

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



12.9046, 12.0894, 14.0596



12.8732, 12.0894, 12.0109



12.4617, 12.0894, 10.4419

Triad

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



12.8732, 12.0894, 12.0109



10.4963, 12.0894, 10.6383



11.1872, 12.0894, 17.4539

Complementary

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



12.8732, 12.0894, 12.0109



13.5822, 15.7521, 18.2450

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.



10.5713, 12.0894, 16.3206



12.8732, 12.0894, 12.0109



10.1839, 12.0894, 12.3059

Square

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



12.8732, 12.0894, 12.0109



11.0808, 12.0894, 9.7085



10.2107, 12.0894, 14.3872



11.9104, 12.0894, 17.3535

Rectangle

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



12.8732, 12.0894, 12.0109



12.0366, 12.0894, 9.8134



10.2107, 12.0894, 14.3872



10.9614, 12.0894, 17.2000

Sweetspot

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



12.8735, 12.0899, 12.0112



27.1166, 27.6490, 29.4259



13.8420, 12.4600, 17.8954



6.4323, 6.5418, 6.9486



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.



12.8735, 12.0899, 12.0112



21.8637, 19.8976, 19.1836



13.7883, 13.9897, 12.0993



3.6898, 3.7032, 3.8932



8.1119, 4.1785, 0.5315



39.4480, 20.3293, 2.1568

Inverse Universe

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



12.8735, 12.0899, 12.0112



21.8637, 19.8976, 19.1836



12.5246, 13.5456, 18.1744



3.6898, 3.7032, 3.8932



8.1119, 4.1785, 0.5315



39.4480, 20.3293, 2.1568

Previews

White Background



This preview shows how the XYZ color 12.8732, 12.0894, 12.0109 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 12.8732, 12.0894, 12.0109 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 12.8732, 12.0894, 12.0109

Background



This preview shows how black text looks on a background with the XYZ color 12.8732, 12.0894, 12.0109.



This preview shows how white text looks on a background with the XYZ color 12.8732, 12.0894,

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

12.8732, 12.0894, 12.0109

Protanopia

11.6415, 12.1032, 12.7889

Deuteranopia

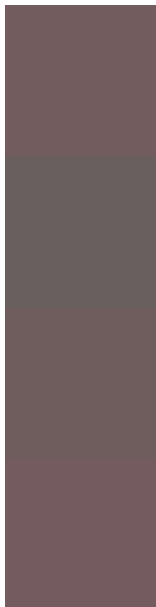
12.2852, 12.0469, 12.0337



Tritanopia

13.1481, 12.0770, 13.1934

Trichromacy



Original Color

12.8732, 12.0894, 12.0109

Protanomaly

11.9835, 12.0139, 12.5138

Deuteranomaly

12.4457, 11.9985, 12.0159

Tritanomaly

13.0549, 12.0397, 12.7022

Monochromacy



Original Color

12.8732, 12.0894, 12.0109

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1662, 12.2321, 13.0291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8732, 12.0894, 12.0109 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, 92, 93)` looks like.

```
.text, #text, p{  
    color:rgb(115, 92, 93)  
}
```

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, 92, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 92, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.8732, 12.0894, 12.0109 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, 92, 93) }
```


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

```
.border{ border-color:rgb(115, 92, 93) }
```

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

Here you see how a box with a 4 pixel rgb(115, 92, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 92, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 92, 93);  
box-shadow:4px 4px 4px 4px rgb(115, 92,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8732, 12.0894, 12.0109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 92, 93) }
```

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

```
.background{ background-color: rgb(115, 92,  
93) }
```

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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