

Converting Colors

XYZ(12.6049, 12.7317, 12.3246)

Have a look what the booklet for
XYZ(12.6049, 12.7317, 12.3246)
contains.

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Color

**XYZ(12.5724, 12.7317,
12.3845)**

Conversions

Conversions Part 1

Format	Color
Hex	6C625E
RGB	108, 98, 94
RGB Percent	42%, 38%, 37%
CMY	0.5765, 0.6157, 0.6314
CMYK	0.00, 0.09, 0.13, 0.58
HSL	17°, 7%, 40%
HSV	17°, 13%, 42%
XYZ	12.5724, 12.7317, 12.3845
YIQ	100.5340, 7.2440, 0.8760

Conversions

Conversions Part 2

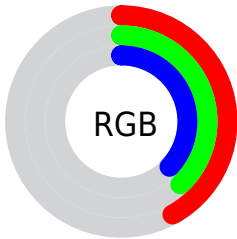
Format	Color
R_{YB}	108, 100, 94
Decimal	7103070
CIE _{Lab}	42.36, 3.22, 3.71
CIE _{LCh}	42, 4.916, 49.019
Yxy	12.7317, 0.3336, 0.3378
Android (android.graphics.Color)	4285293150 (0xFF6C625E)
YUV	100.5340, -3.2213, 6.5477
Hunter-Lab	35.6815, 0.4519, 4.3984

Details

The XYZ color **12.5724, 12.7317, 12.3845** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2731, 13.3626, 16.1198**, and the grayscale version is **12.2567, 12.8950, 14.0427**.

A 20% lighter version of the original color is **30.0796, 30.8794, 30.7605**, and **3.6250, 3.6300, 3.3059** is the 20% darker color. If you saturate the color by 10%, you get **11.4342, 11.1773, 9.7791**, and if you desaturate by 10%, it is **13.8487, 14.4535, 15.3709**.

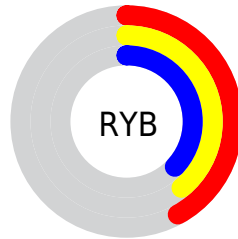
Distribution



Red (42%)

Green (38%)

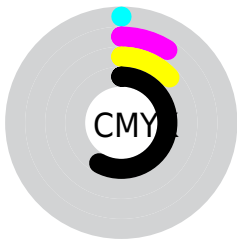
Blue (37%)



Red (42%)

Yellow (39%)

Blue (37%)

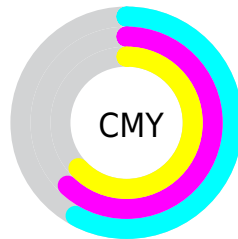


Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5724, 12.7317, 12.3845 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 12.5724, 12.7317, 12.3845 by changing the saturation by 10% instead.

■ 12.5724, 12.7317,
12.3845

■ 12.5724, 12.7317,
12.3845

201.8522,
209.1909, 218.0019

■ 7.2097, 7.2441,
6.8804

■ 30.1413, 30.8209,
30.8683

■ 3.6411, 3.6152,
3.3101

■ 43.0783, 44.1913,
44.6851

■ 1.5012, 1.4607,
1.2551

■ 59.2707, 60.9580,
62.1098

■ 0.3266, 0.2608,
0.0245

■ 79.0839, 81.5055,
83.5610

■ 0.0000, 0.0000,
0.0000

102.8833,
106.2182, 109.4573

131.0343,

135.4803, 140.2172

163.9021,
169.6765, 176.2592

■ 12.5724, 12.7317,
12.3845

■ 12.5724, 12.7317,
12.3845

■ 11.4342, 11.1773,
9.7791

■ 13.8487, 14.4535,
15.3709

■ 10.4283, 9.7835,
7.5384

■ 15.2666, 16.3458,
18.7519

■ 9.5499, 8.5456,
5.6463

■ 16.8306, 18.4137,
22.5417

■ 8.7938, 7.4580,
4.0850

■ 18.5450, 20.6618,
26.7532

■ 8.1541, 6.5148,
2.8353

■ 20.4137, 23.0942,
31.3990

■ 7.6245, 5.7097,
1.8757

■ 22.4404, 25.7151,
36.4911

■ 7.1981, 5.0357,
1.1822

■ 24.6289, 28.5285,
42.0410

■ 6.8661, 4.4850,
0.7221

■ 26.9827, 31.5383,
48.0598

■ 6.6711, 4.1617,
0.4517

■ 29.5053, 34.7482,
54.5582

Harmonies

Analogous

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



12.7844, 12.7317, 13.2109



12.5724, 12.7317, 12.3845



12.2368, 12.7317, 11.9620

Triad

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



12.5724, 12.7317, 12.3845



11.4178, 12.7317, 13.4792



12.3338, 12.7317, 15.8739

Complementary

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



12.5724, 12.7317, 12.3845



12.2731, 13.3626, 16.1198

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.



11.9665, 12.7317, 15.9547



12.5724, 12.7317, 12.3845



11.4426, 12.7317, 14.5355

Square

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



12.5724, 12.7317, 12.3845



11.5733, 12.7317, 12.5723



11.6417, 12.7317, 15.4540



12.6447, 12.7317, 15.2384

Rectangle

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



12.5724, 12.7317, 12.3845



11.9902, 12.7317, 11.9510



11.6417, 12.7317, 15.4540



12.2127, 12.7317, 15.9680

Sweetspot

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



12.5728, 12.7323, 12.3848



24.0438, 25.0134, 26.3498



12.6875, 12.1939, 14.7906



5.7851, 6.0079, 6.2964



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.5728, 12.7323, 12.3848



21.3521, 21.3725, 20.0803



13.2530, 14.0928, 12.6115



3.1637, 3.2447, 3.2770



7.9353, 4.9204, 0.5315



39.7757, 23.7551, 2.4888

Inverse Universe

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



12.2731, 13.3626, 16.1198



20.6998, 22.7436, 28.2067



11.6008, 12.0181, 15.8957



3.1123, 3.3529, 3.9180



6.3807, 7.5957, 18.0521



31.7447, 37.1679, 91.7272

Previews

White Background



This preview shows how the XYZ color 12.5724, 12.7317, 12.3845 looks on a white background.

Color Contrast Check

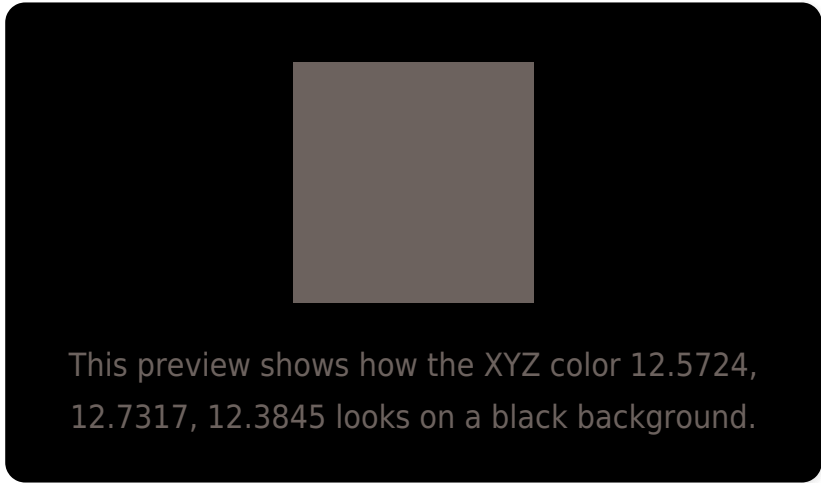
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

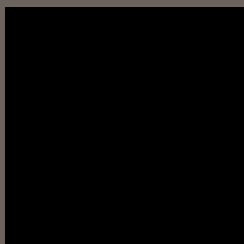
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5724, 12.7317, 12.3845

Background



This preview shows how black text looks on a background with the XYZ color 12.5724, 12.7317, 12.3845.

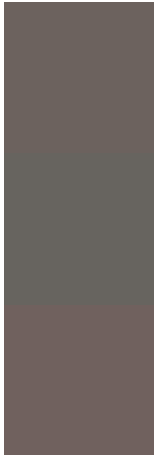


This preview shows how white text looks on a background with the XYZ color 12.5724, 12.7317,

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

12.5724, 12.7317, 12.3845

Protanopia

12.2162, 12.8241, 12.6579

Deuteranopia

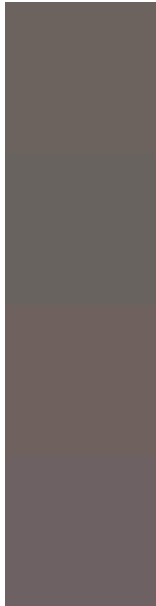
12.9772, 12.8023, 12.3768



Tritanopia

12.9882, 12.6164, 14.8474

Trichromacy



Original Color

12.5724, 12.7317, 12.3845

Protanomaly

12.3531, 12.7532, 12.6370

Deuteranomaly

12.8506, 12.7370, 12.3709

Tritanomaly

12.8816, 12.7207, 13.8330

Monochromacy



Original Color

12.5724, 12.7317, 12.3845

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4707, 12.9392, 13.3955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5724, 12.7317, 12.3845 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(108, 98, 94)` looks like.

```
.text, #text, p{  
    color:rgb(108, 98, 94)  
}
```

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(108, 98, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 98, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.5724, 12.7317, 12.3845 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(108, 98, 94) }
```


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

```
.border{ border-color:rgb(108, 98, 94) }
```

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

Here you see how a box with a 4 pixel rgb(108, 98, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 98, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 98, 94);  
box-shadow:4px 4px 4px 4px rgb(108, 98,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5724, 12.7317, 12.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 98, 94) }
```

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

```
.background{ background-color: rgb(108, 98,  
94) }
```

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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