Converting Colors

XYZ(12.3118, 15.7053, 8.6393)

Have a look what the booklet for XYZ(12.3118, 15.7053, 8.6393) contains.

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Color

XYZ(12.2832, 15.6365, 8.6741)

Conversions

Conversions Part 1

Format	Color
Hex	5F7549
RGB	95, 117, 73
RGB Percent	37%, 46%, 29%
CMY	0.6274, 0.5412, 0.7137
CMYK	0.19, 0.00, 0.38, 0.54
HSL	90°, 23%, 37%
HSV	90°, 38%, 46%
XYZ	12.2832, 15.6365, 8.6741
YIQ	105.4060, 1.0120, -18.3480

Conversions

Conversions Part 2

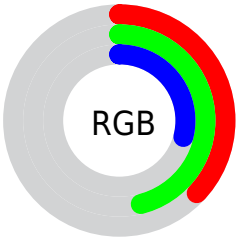
Format	Color
RYB	73, 117, 95
Decimal	6255945
CIELab	46.49, -16.58, 21.69
CIELCh	46, 27.302, 127.392
Yxy	15.6365, 0.3357, 0.4273
Android (android.graphics.Color)	4284446025 (0xFF5F7549)
YUV	105.4060, -15.9762, -9.1261
Hunter-Lab	39.5430, -13.7530, 14.6743

Details

The XYZ color 12.2832, 15.6365, 8.6741 is a dark color, and the websafe version is hex 666633. A complement of this color would be 10.3134, 8.4828, 17.9242, and the grayscale version is 13.5797, 14.2869, 15.5584.

A 20% lighter version of the original color is 29.5549, 35.8921, 23.7825, and 3.5566, 4.9685, 1.8702 is the 20% darker color. If you saturate the color by 10%, you get 11.3462, 15.1946, 6.7924, and if you desaturate by 10%, it is 13.3396, 16.1325, 10.9431.

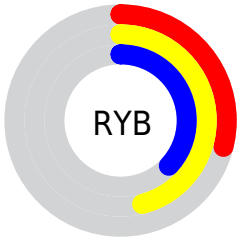
Distribution



Red (37%)

Green (46%)

Blue (29%)



Red (29%)

Yellow (46%)

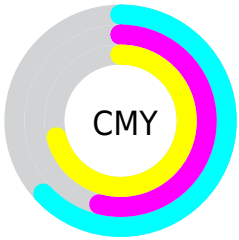
Blue (37%)

Cyan (19%)

Magenta (0%)

Yellow (38%)

Black (54%)



Cyan (63%)

Magenta (54%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2832, 15.6365, 8.6741 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 12.2832, 15.6365, 8.6741 by changing the saturation by 10% instead.

12.2832, 15.6365, 8.6741

12.2832, 15.6365, 8.6741

200.0031, 227.1871, 191.0554

7.0104, 9.2673, 4.4353

29.6223, 35.9660, 23.8374

3.5150, 4.9159, 1.8671

42.4192, 50.6951, 35.5989

1.4316, 2.1980, 0.4717

58.4550, 68.9796, 50.7052

0.2786, 0.7189, 0.0000

78.0949, 91.2039, 69.5746

0.0000, 0.0000, 0.0000

101.7043, 117.7524, 92.6258

129.6486,

149.0095, 120.2773

162.2931, 185.3596, 152.9477

12.2832, 15.6365, 8.6741

12.2832, 15.6365, 8.6741

11.3462, 15.1946, 6.7924

13.3396, 16.1325, 10.9431

10.5225, 14.8027, 5.2753

14.5191, 16.6825, 13.6184

9.8067, 14.4590, 4.0993

15.8264, 17.2892, 16.7189

9.1929, 14.1610, 3.2379

17.2658, 17.9543, 20.2620

8.6741, 13.9058, 2.6604

18.8414, 18.6796, 24.2643

8.2342, 13.6868, 2.2882

8.1355, 13.6377, 2.2036

20.5568, 19.4666, 28.7413

22.4158, 20.3170, 33.7079

24.4220, 21.2322, 39.1784

26.5786, 22.2136, 45.1664

Harmonies

Analogous

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

14.2881, 15.6365, 7.1459

12.2832, 15.6365, 8.6741

11.0684, 15.6365, 12.5191

Triad

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

12.2832, 15.6365, 8.6741

13.1916, 15.6365, 31.9859

19.8090, 15.6365, 15.4140

Complementary

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

12.2832, 15.6365, 8.6741

10.3134, 8.4828, 17.9242

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.

19.4363, 15.6365, 22.5011

12.2832, 15.6365, 8.6741

15.4511, 15.6365, 33.3553

Square

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

12.2832, 15.6365, 8.6741

11.5530, 15.6365, 26.1563

17.7787, 15.6365, 29.5170

18.7493, 15.6365, 10.3134

Rectangle

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

12.2832, 15.6365, 8.6741

10.7893, 15.6365, 16.4434

17.7787, 15.6365, 29.5170

19.8489, 15.6365, 17.6211

Sweetspot

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

12.2836, 15.6372, 8.6744

27.4512, 30.5469, 27.8053

12.6315, 12.4479, 8.0405

6.2562, 6.9976, 6.2614

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.

12.2836, 15.6372, 8.6744

20.5465, 27.3166, 12.6081

10.3120, 14.6208, 8.5822

3.7988, 4.1798, 3.9488

8.9452, 15.0158, 2.4269

42.6032, 72.6645, 11.7802

Inverse Universe

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

10.3134, 8.4828, 17.9242

16.4817, 12.5560, 31.6919

12.9302, 9.8318, 18.0467

3.6588, 3.6714, 4.6061

5.4748, 2.4137, 18.7199

25.6913, 11.2528, 91.1782

Previews

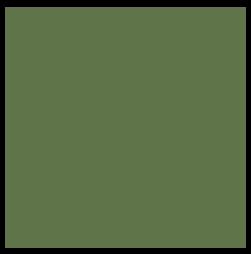
White Background

This preview shows how the XYZ color 12.2832, 15.6365, 8.6741 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



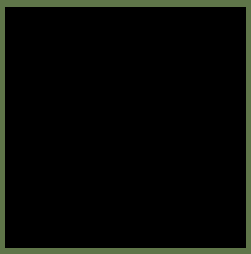
This preview shows how the XYZ color 12.2832, 15.6365, 8.6741 looks on a black background.

Color Contrast Check

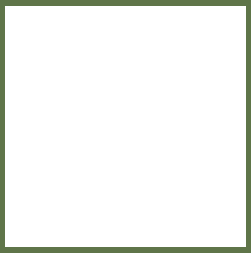
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 12.2832, 15.6365, 8.6741 Background



This preview shows how black text looks on a background with the XYZ color 12.2832, 15.6365, 8.6741.



This preview shows how white text looks on a background with the XYZ color 12.2832, 15.6365,

8.6741.

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
12.2832, 15.6365, 8.6741

Protanopia
14.4272, 15.5871, 8.0426

Deuteranopia
15.7162, 15.4502, 8.9913

Tritanopia
14.5541, 15.5497, 20.0036

Trichromacy

Original Color
12.2832, 15.6365, 8.6741

Protanomaly
13.5980, 15.6447, 8.2643

Deuteranomaly
14.2099, 15.2968, 8.8603

Tritanomaly
13.4989, 15.4422, 15.1011

Monochromacy

Original Color
12.2832, 15.6365, 8.6741

Achromatopsia
13.4271, 14.1263, 15.3836

Achromatomaly
12.8113, 14.4943, 12.4784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2832, 15.6365, 8.6741 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(95, 117, 73) looks like.

```
.text, #text, p{
    color:rgb(95, 117, 73)
}
```

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(95, 117, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 117, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.2832, 15.6365, 8.6741 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(95, 117, 73) }
```

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

```
.border{ border-color:rgb(95, 117, 73) }
```

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

Here you see how a box with a 4 pixel rgb(95, 117, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 117, 73); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 117, 73); box-shadow:4px 4px 4px 4px rgb(95, 117, 73) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2832, 15.6365, 8.6741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(95, 117, 73) }
```

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

```
.background{ background-color:rgb(95, 117,
73) }
```

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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