

Converting Colors

XYZ(12.3246, 15.5506, 11.5902)

Have a look what the booklet for
XYZ(12.3246, 15.5506, 11.5902)
contains.

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Color

**XYZ(12.3392, 15.6008,
11.5934)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7558
RGB	90, 117, 88
RGB Percent	35%, 46%, 35%
CMY	0.6471, 0.5412, 0.6549
CMYK	0.23, 0.00, 0.25, 0.54
HSL	116°, 14%, 40%
HSV	116°, 25%, 46%
XYZ	12.3392, 15.6008, 11.5934
YIQ	105.6210, -6.7830, -14.7430

Conversions

Conversions Part 2

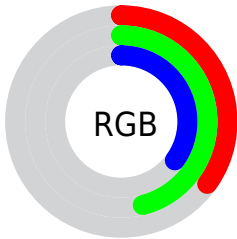
Format	Color
R_{YB}	88, 117, 115
Decimal	5928280
CIE _{Lab}	46.45, -15.99, 12.87
CIE _{LCh}	46, 20.528, 141.167
Yxy	15.6008, 0.3121, 0.3946
Android (android.graphics.Color)	4284118360 (0xFF5A7558)
YUV	105.6210, -8.6872, -13.6996
Hunter-Lab	39.4978, -13.3575, 10.2457

Details

The XYZ color **12.3392, 15.6008, 11.5934** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.7714, 11.9090, 18.4032**, and the grayscale version is **13.6206, 14.3299, 15.6053**.

A 20% lighter version of the original color is **29.7599, 35.8736, 29.4005**, and **3.5423, 4.9370, 2.9567** is the 20% darker color. If you saturate the color by 10%, you get **10.9100, 14.9160, 9.1965**, and if you desaturate by 10%, it is **14.0024, 16.3981, 14.4080**.

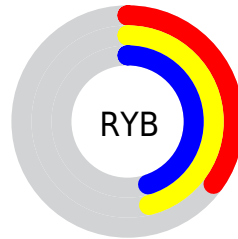
Distribution



Red (35%)

Green (46%)

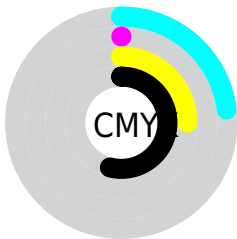
Blue (35%)



Red (35%)

Yellow (46%)

Blue (45%)

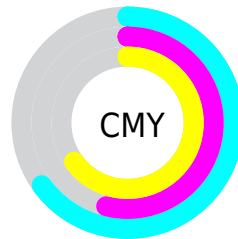


Cyan (23%)

Magenta (0%)

Yellow (25%)

Black (54%)



Cyan (65%)

Magenta (54%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3392, 15.6008, 11.5934 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 12.3392, 15.6008, 11.5934 by changing the saturation by 10% instead.

■ 12.3392, 15.6008,
11.5934

■ 12.3392, 15.6008,
11.5934

200.3625,
226.9745, 212.5761

■ 7.0490, 9.2421,
6.3483

■ 29.7229, 35.9038,
29.4056

■ 3.5393, 4.8994,
2.9858

■ 42.5471, 50.6168,
42.8098

■ 1.4450, 2.1884,
1.0874

■ 58.6134, 68.8835,
59.7707

■ 0.2879, 0.7136,
0.0000

■ 78.2870, 91.0882,
80.7070

■ 0.0000, 0.0000,
0.0000

■ 101.9334,
117.6152, 106.0371

129.9178,

148.8490, 136.1797

162.6058,
185.1739, 171.5531

■ 12.3392, 15.6008,
11.5934

■ 12.3392, 15.6008,
11.5934

■ 10.9100, 14.9160,
9.1965

■ 14.0024, 16.3981,
14.4080

■ 9.7030, 14.3369,
7.1964

■ 15.9081, 17.3106,
17.6579

■ 8.7076, 13.8586,
5.5722

■ 18.0659, 18.3432,
21.3607

■ 7.9114, 13.4755,
4.3002

■ 20.4846, 19.5003,
25.5329

■ 7.3010, 13.1811,
3.3545

■ 23.1725, 20.7857,
30.1901

■ 6.8612, 12.9683,
2.7052

■ 26.1376, 22.2031,
35.3472

■ 6.5722, 12.8279,
2.3048

■ 29.3874, 23.7563,
41.0185

■ 6.4626, 12.7752,
2.1253

■ 32.9293, 25.4487,
47.2177

■ 36.7703, 27.2836,
53.9578

Harmonies

Analogous

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



13.6365, 15.6008, 9.4414



12.3392, 15.6008, 11.5934



11.7220, 15.6008, 15.5379

Triad

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



12.3392, 15.6008, 11.5934



14.3132, 15.6008, 28.5101



18.2222, 15.6008, 13.7142

Complementary

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



12.3392, 15.6008, 11.5934



13.7714, 11.9090, 18.4032

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.



18.4395, 15.6008, 18.5227



12.3392, 15.6008, 11.5934



16.0872, 15.6008, 27.7538

Square

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



12.3392, 15.6008, 11.5934



12.8008, 15.6008, 25.7352



17.6310, 15.6008, 23.8367



17.0588, 15.6008, 10.4864

Rectangle

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



12.3392, 15.6008, 11.5934



11.7425, 15.6008, 18.9387



17.6310, 15.6008, 23.8367



18.4117, 15.6008, 15.1735

Sweetspot

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



12.3396, 15.6015, 11.5937



27.6282, 30.5864, 30.1531



15.1815, 16.6539, 11.6471



6.3206, 7.0172, 6.8788



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.



12.3396, 15.6015, 11.5937



20.5138, 27.1781, 18.1022



12.6905, 15.7197, 14.4435



3.6619, 4.1092, 3.9424



7.1144, 14.0720, 2.3412



34.3899, 68.4304, 11.3959

Inverse Universe

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



13.7714, 11.9090, 18.4032



23.5652, 19.3045, 32.6211



13.3719, 11.7799, 14.9116



3.8029, 3.7457, 4.6128



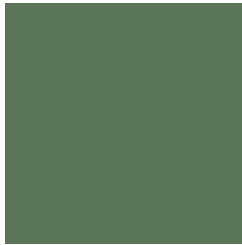
10.4718, 4.9897, 18.9538



50.7352, 24.1634, 92.3503

Previews

White Background



This preview shows how the XYZ color 12.3392, 15.6008, 11.5934 looks on a white background.

Color Contrast Check

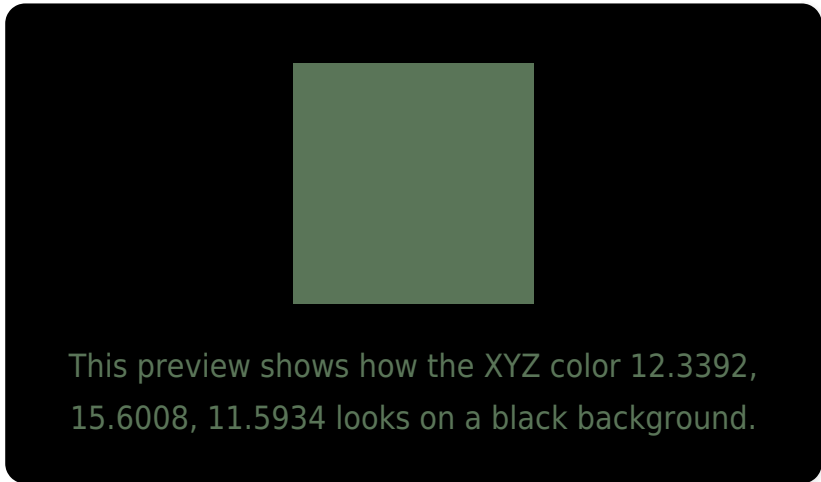
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3392, 15.6008, 11.5934

Background



This preview shows how black text looks on a background with the XYZ color 12.3392, 15.6008, 11.5934.



This preview shows how white text looks on a background with the XYZ color 12.3392, 15.6008,

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

12.3392, 15.6008, 11.5934

Protanopia

14.5517, 15.5896, 10.8365

Deuteranopia

15.6494, 15.3534, 11.8115



Tritanopia

14.2418, 15.7022, 20.6926

Trichromacy



Original Color

12.3392, 15.6008, 11.5934

Protanomaly

13.6482, 15.6079, 11.0974

Deuteranomaly

14.2112, 15.2360, 11.6430

Tritanomaly

13.4479, 15.5401, 17.0426

Monochromacy



Original Color

12.3392, 15.6008, 11.5934

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0836, 14.7620, 13.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3392, 15.6008, 11.5934 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(90, 117, 88)` looks like.

```
.text, #text, p{  
    color:rgb(90, 117, 88)  
}
```

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(90, 117, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 117, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.3392, 15.6008, 11.5934 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(90, 117, 88) }
```


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

```
.border{ border-color:rgb(90, 117, 88) }
```

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

Here you see how a box with a 4 pixel rgb(90, 117, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 117, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 117, 88);  
box-shadow:4px 4px 4px 4px rgb(90, 117,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3392, 15.6008, 11.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 117, 88) }
```

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

```
.background{ background-color: rgb(90, 117,  
88) }
```

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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