

Converting Colors

XYZ(11.6699, 12.1288, 11.8055)

Have a look what the booklet for
XYZ(11.6699, 12.1288, 11.8055)
contains.

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Color

**XYZ(11.6860, 12.1469,
11.8539)**

Conversions

Conversions Part 1

Format	Color
Hex	66615C
RGB	102, 97, 92
RGB Percent	40%, 38%, 36%
CMY	0.6000, 0.6196, 0.6392
CMYK	0.00, 0.05, 0.10, 0.60
HSL	30°, 5%, 38%
HSV	30°, 10%, 40%
XYZ	11.6860, 12.1469, 11.8539
YIQ	97.9250, 4.5850, -0.4950

Conversions

Conversions Part 2

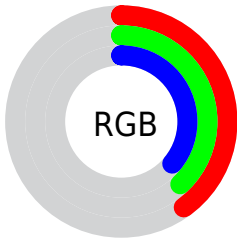
Format	Color
RYB	102, 102, 92
Decimal	6709596
CIELab	41.45, 1.00, 3.55
CIELCh	41, 3.689, 74.240
Yxy	12.1469, 0.3275, 0.3404
Android (android.graphics.Color)	4284899676 (0xFF66615C)
YUV	97.9250, -2.9210, 3.5738
Hunter-Lab	34.8524, -1.1407, 4.2311

Details

The XYZ color **11.6860, 12.1469, 11.8539** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0866, 11.7839, 14.2608**, and the grayscale version is **11.5973, 12.2013, 13.2872**.

A 20% lighter version of the original color is **28.6093, 29.9051, 29.8556**, and **3.2525, 3.3771, 3.0652** is the 20% darker color. If you saturate the color by 10%, you get **10.8139, 11.0687, 9.5095**, and if you desaturate by 10%, it is **12.6491, 13.3107, 14.5252**.

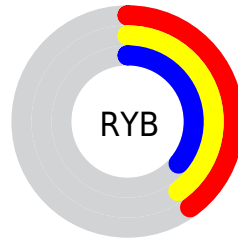
Distribution




 Red (40%)

 Green (38%)

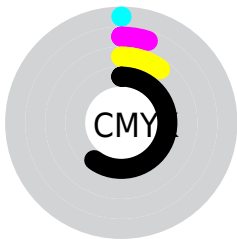
 Blue (36%)



 Red (40%)

 Yellow (40%)

 Blue (36%)

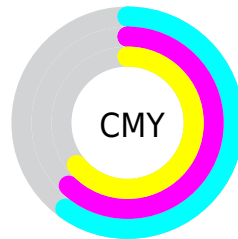


 Cyan (0%)

 Magenta (5%)

 Yellow (10%)

 Black (60%)



 Cyan (60%)

 Magenta (62%)

 Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6860, 12.1469, 11.8539 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 11.6860, 12.1469, 11.8539 by changing the saturation by 10% instead.

■ 11.6860, 12.1469,
11.8539

■ 11.6860, 12.1469,
11.8539

196.1280,
205.3754, 214.3791

■ 6.6009, 6.8438,
6.5229

■ 28.5438, 29.7624,
29.8891

■ 3.2579, 3.3646,
3.0917

■ 41.0471, 42.8435,
43.4305

■ 1.2916, 1.3249,
1.1416

■ 56.7540, 59.2862,
60.5457

■ 0.1769, 0.1604,
0.0000

■ 76.0297, 79.4747,
81.6534

■ 0.0000, 0.0000,
0.0000

99.2396, 103.7935,
107.1720

126.7490,

132.6269, 137.5202

158.9234,
166.3594, 173.1164

■ 11.6860, 12.1469,
11.8539

■ 11.6860, 12.1469,
11.8539

■ 10.8139, 11.0687,
9.5095

■ 12.6491, 13.3107,
14.5252

■ 10.0288, 10.0726,
7.4784

■ 13.7051, 14.5606,
17.5347

■ 9.3280, 9.1567,
5.7474

■ 14.8569, 15.8990,
20.8940

■ 8.7082, 8.3189,
4.3019

■ 16.1070, 17.3278,
24.6140

■ 8.1657, 7.5567,
3.1261

■ 17.4579, 18.8487,
28.7051

■ 7.6967, 6.8676,
2.2025

■ 18.9121, 20.4635,
33.1774

■ 7.2969, 6.2487,
1.5117

■ 20.4717, 22.1740,
38.0403

■ 6.9613, 5.6970,
1.0314

■ 22.1390, 23.9817,
43.3031

■ 6.6697, 5.2033,
0.6585

■ 23.9160, 25.8882,
48.9749

Harmonies

Analogous

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



11.9189, 12.1469, 12.2214



11.6860, 12.1469, 11.8539



11.4188, 12.1469, 11.8445

Triad

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



11.6860, 12.1469, 11.8539



11.0523, 12.1469, 13.5928



11.9091, 12.1469, 14.3133

Complementary

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



11.6860, 12.1469, 11.8539



11.0866, 11.7839, 14.2608

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.



11.6727, 12.1469, 14.7108



11.6860, 12.1469, 11.8539



11.1795, 12.1469, 14.2840

Square

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



11.6860, 12.1469, 11.8539



11.0557, 12.1469, 12.8285



11.4057, 12.1469, 14.6999



12.0491, 12.1469, 13.6314

Rectangle

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



11.6860, 12.1469, 11.8539



11.2573, 12.1469, 12.0413



11.4057, 12.1469, 14.6999



11.8381, 12.1469, 14.4857

Sweetspot

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



11.6863, 12.1474, 11.8542



21.6114, 22.6575, 23.8717



11.4645, 11.3424, 12.8945



5.0713, 5.3125, 5.5563



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.6863, 12.1474, 11.8542



20.0914, 20.8090, 19.6912



12.1629, 13.1005, 12.0130



2.9319, 3.0513, 3.0089



8.5201, 6.5934, 0.8236



43.5616, 32.6371, 4.0036

Inverse Universe

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



11.0866, 11.7839, 14.2608



18.7886, 20.0193, 24.9195



10.6393, 10.8891, 14.1117



2.7952, 2.9684, 3.5576



4.5609, 4.1935, 16.7134



22.9120, 20.1206, 86.8775

Previews

White Background



This preview shows how the XYZ color 11.6860, 12.1469, 11.8539 looks on a white background.

Color Contrast Check

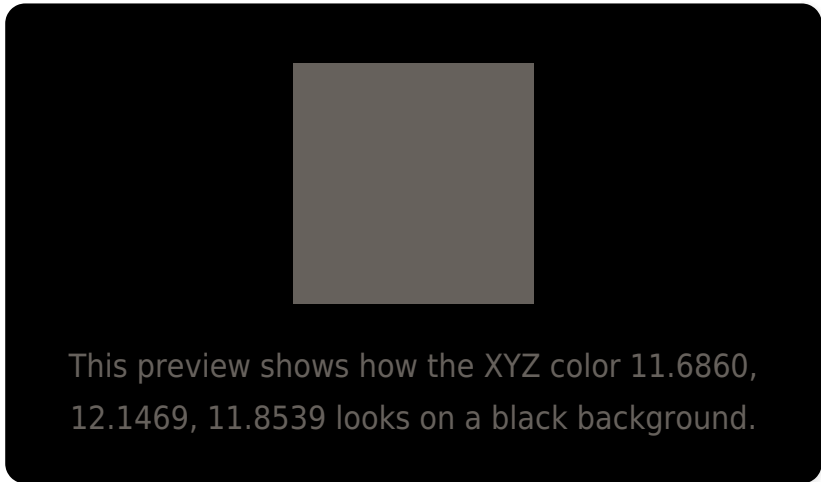
Large Text (above 18pt) WCAG AA ✓ Pass

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

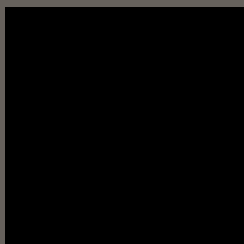
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

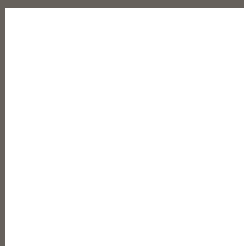
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6860, 12.1469, 11.8539

Background



This preview shows how black text looks on a background with the XYZ color 11.6860, 12.1469, 11.8539.



This preview shows how white text looks on a background with the XYZ color 11.6860, 12.1469,

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

11.6860, 12.1469, 11.8539

Protanopia

11.5733, 12.0888, 11.8486

Deuteranopia

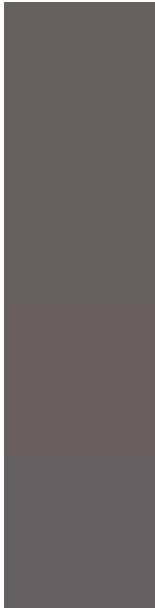
12.2852, 12.0469, 12.0337



Tritanopia

12.2493, 12.1067, 14.5232

Trichromacy



Original Color

11.6860, 12.1469, 11.8539

Protanomaly

11.5733, 12.0888, 11.8486

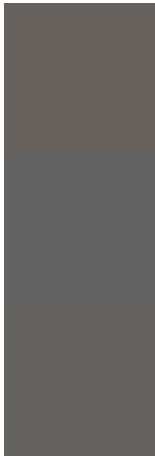
Deuteranomaly

12.0119, 12.0389, 12.0466

Tritanomaly

12.0285, 12.1502, 13.5156

Monochromacy



Original Color

11.6860, 12.1469, 11.8539

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6246, 12.2325, 12.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6860, 12.1469, 11.8539 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(102, 97, 92)` looks like.

```
.text, #text, p{  
    color:rgb(102, 97, 92)  
}
```

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(102, 97, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 97, 92) }
```

Border

The CSS property to change the border of an element to XYZ 11.6860, 12.1469, 11.8539 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(102, 97, 92) }
```


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

```
.border{ border-color:rgb(102, 97, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 97, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 97, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 97, 92);  
box-shadow:4px 4px 4px 4px rgb(102, 97,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6860, 12.1469, 11.8539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 97, 92) }
```

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

```
.background{ background-color: rgb(102, 97,  
92) }
```

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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