

Converting Colors

XYZ(11.7391, 11.9002, 12.7069)

Have a look what the booklet for
XYZ(11.7391, 11.9002, 12.7069)
contains.

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Color

**XYZ(11.6830, 11.8537,
12.7386)**

Conversions

Conversions Part 1

Format	Color
Hex	665F60
RGB	102, 95, 96
RGB Percent	40%, 37%, 38%
CMY	0.6000, 0.6274, 0.6235
CMYK	0.00, 0.07, 0.06, 0.60
HSL	351°, 4%, 39%
HSV	351°, 7%, 40%
XYZ	11.6830, 11.8537, 12.7386
YIQ	97.2070, 3.8510, 1.7950

Conversions

Conversions Part 2

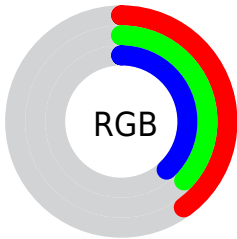
Format	Color
R_{YB}	102, 95, 96
Decimal	6709088
CIE _{Lab}	40.98, 2.99, 0.43
CIE _{LCh}	41, 3.020, 8.153
Yxy	11.8537, 0.3221, 0.3268
Android (android.graphics.Color)	4284899168 (0xFF665F60)
YUV	97.2070, -0.5951, 4.2035
Hunter-Lab	34.4292, 0.3200, 2.1635

Details

The XYZ color **11.6830, 11.8537, 12.7386** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8201, 12.8755, 14.1747**, and the grayscale version is **11.4142, 12.0086, 13.0774**.

A 20% lighter version of the original color is **28.4506, 29.0984, 31.3112**, and **3.2496, 3.2391, 3.4716** is the 20% darker color. If you saturate the color by 10%, you get **10.4433, 9.9831, 10.4483**, and if you desaturate by 10%, it is **13.0885, 13.9840, 15.3055**.

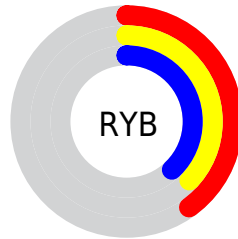
Distribution



 Red (40%)

 Green (37%)

 Blue (38%)



 Red (40%)

 Yellow (37%)

 Blue (38%)

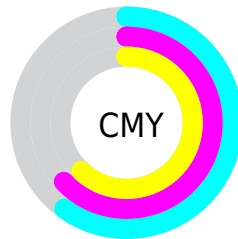


 Cyan (0%)

 Magenta (7%)

 Yellow (6%)

 Black (60%)



 Cyan (60%)

 Magenta (63%)

 Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6830, 11.8537, 12.7386 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 11.6830, 11.8537, 12.7386 by changing the saturation by 10% instead.

■ 11.6830, 11.8537,
12.7386

■ 11.6830, 11.8537,
12.7386

196.1083,
203.4343, 220.3842

■ 6.5989, 6.6441,
7.1202

■ 28.5383, 29.2284,
31.5176

■ 3.2566, 3.2406,
3.4578

■ 41.0402, 42.1623,
45.5153

■ 1.2909, 1.2586,
1.3329

■ 56.7454, 58.4397,
63.1432

■ 0.1764, 0.1088,
0.0885

■ 76.0193, 78.4451,
84.8198

■ 0.0000, 0.0000,
0.0000

99.2271, 102.5629,
110.9637

126.7343,

131.1774, 141.9933

158.9063,
164.6731, 178.3273

■ 11.6830, 11.8537,
12.7386

■ 11.6830, 11.8537,
12.7386

■ 10.4433, 9.9831,
10.4483

■ 13.0885, 13.9840,
15.3055

■ 9.3623, 8.3606,
8.4245

■ 14.6646, 16.3816,
18.1570

■ 8.4338, 6.9764,
6.6578

■ 16.4171, 19.0561,
21.3018

■ 7.6510, 5.8192,
5.1379

■ 18.3513, 22.0157,
24.7479

■ 7.0064, 4.8768,
3.8536

■ 20.4722, 25.2688,
28.5031

■ 6.4918, 4.1359,
2.7932

■ 22.7846, 28.8229,
32.5748

■ 6.0983, 3.5819,
1.9435

■ 25.2933, 32.6856,
36.9703

■ 5.8156, 3.1978,
1.2905

■ 28.0026, 36.8641,
41.6965

■ 5.6178, 2.9357,
0.8132

■ 30.9169, 41.3654,
46.7602

Harmonies

Analogous

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



11.6567, 11.8537, 13.3547



11.6830, 11.8537, 12.7386



11.5966, 11.8537, 12.1853

Triad

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



11.6830, 11.8537, 12.7386



11.0118, 11.8537, 11.9932



11.1126, 11.8537, 14.0432

Complementary

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



11.6830, 11.8537, 12.7386



11.8201, 12.8755, 14.1747

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.



10.9429, 11.8537, 13.6560



11.6830, 11.8537, 12.7386



10.8852, 11.8537, 12.4688

Square

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



11.6830, 11.8537, 12.7386



11.2077, 11.8537, 11.7640



10.8602, 11.8537, 13.0762



11.3256, 11.8537, 14.1211

Rectangle

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



11.6830, 11.8537, 12.7386



11.4873, 11.8537, 11.9218



10.8602, 11.8537, 13.0762



11.0487, 11.8537, 13.9443

Sweetspot

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



11.6833, 11.8542, 12.7389



21.6368, 22.5260, 24.4417



11.8520, 11.9080, 14.2443



5.1147, 5.3299, 5.7850



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.



11.6833, 11.8542, 12.7389



20.1753, 20.3139, 21.7628



11.8618, 12.2842, 12.5730



2.8439, 2.8522, 3.0507



7.1337, 3.6664, 0.8366



37.0007, 19.0403, 3.2812

Inverse Universe

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



11.6833, 11.8542, 12.7389



20.1753, 20.3139, 21.7628



11.6321, 12.4208, 14.3549



2.8439, 2.8522, 3.0507



7.1337, 3.6664, 0.8366



37.0007, 19.0403, 3.2812

Previews

White Background



This preview shows how the XYZ color 11.6830, 11.8537, 12.7386 looks on a white background.

Color Contrast Check

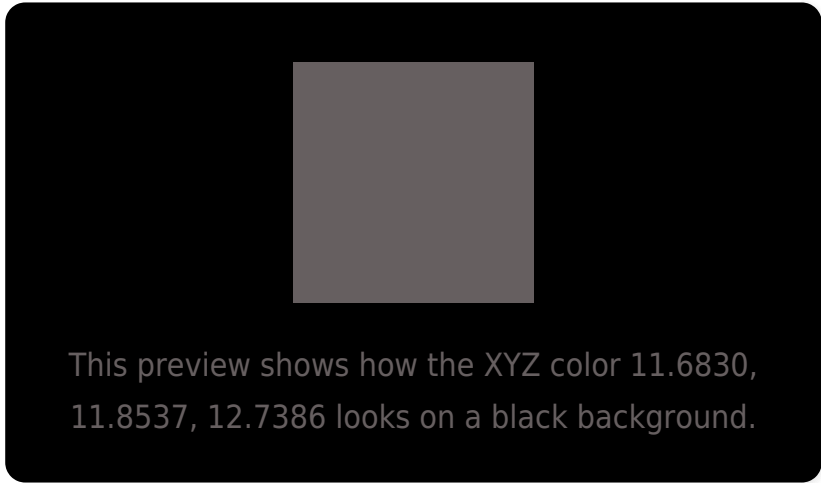
Large Text (above 18pt) WCAG AA ✓ Pass

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

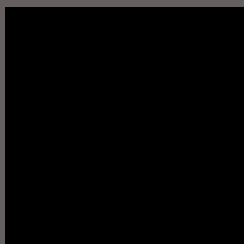
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6830, 11.8537, 12.7386

Background



This preview shows how black text looks on a background with the XYZ color 11.6830, 11.8537, 12.7386.

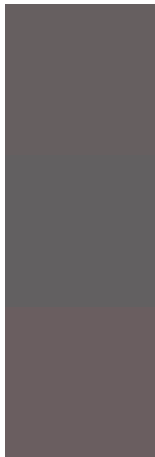


This preview shows how white text looks on a background with the XYZ color 11.6830, 11.8537,

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

11.6830, 11.8537, 12.7386

Protanopia

11.3775, 11.8255, 12.9921

Deuteranopia

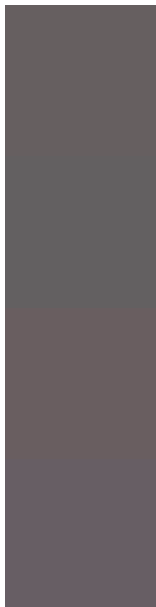
12.0579, 11.9141, 12.7305



Tritanopia

11.9945, 11.8483, 14.2251

Trichromacy



Original Color

11.6830, 11.8537, 12.7386

Protanomaly

11.4861, 11.8815, 12.9972

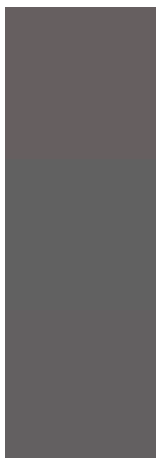
Deuteranomaly

11.9397, 11.8532, 12.7249

Tritanomaly

11.8965, 11.8091, 13.7090

Monochromacy



Original Color

11.6830, 11.8537, 12.7386

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.4861, 11.8815, 12.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6830, 11.8537, 12.7386 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, 95, 96) looks like.

```
.text, #text, p{  
    color:rgb(102, 95, 96)  
}
```

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, 95, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 95, 96) }
```

Border

The CSS property to change the border of an element to XYZ 11.6830, 11.8537, 12.7386 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, 95, 96) }
```


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

```
.border{ border-color:rgb(102, 95, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 95, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 95, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 95, 96);  
box-shadow:4px 4px 4px 4px rgb(102, 95,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6830, 11.8537, 12.7386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 95, 96) }
```

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

```
.background{ background-color: rgb(102, 95,  
96) }
```

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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