

Converting Colors

XYZ(11.7507, 13.0757, 7.0858)

Have a look what the booklet for
XYZ(11.7507, 13.0757, 7.0858)
contains.

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Color

**XYZ(11.7775, 13.1580,
7.0733)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6742
RGB	106, 103, 66
RGB Percent	42%, 40%, 26%
CMY	0.5843, 0.5961, 0.7412
CMYK	0.00, 0.03, 0.38, 0.58
HSL	56°, 23%, 34%
HSV	56°, 38%, 42%
XYZ	11.7775, 13.1580, 7.0733
YIQ	99.6790, 13.6650, -10.8710

Conversions

Conversions Part 2

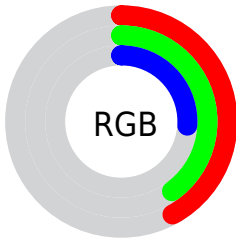
Format	Color
R_{YB}	69, 106, 66
Decimal	6973250
CIE Lab	43.00, -5.04, 21.33
CIE LCh	43, 21.913, 103.295
Yxy	13.1580, 0.3679, 0.4111
Android (android.graphics.Color)	4285163330 (0xFF6A6742)
YUV	99.6790, -16.6037, 5.5435
Hunter-Lab	36.2740, -5.5237, 13.8304

Details

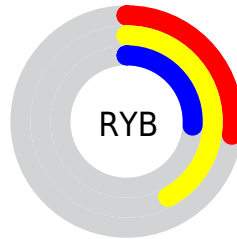
The XYZ color **11.7775, 13.1580, 7.0733** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9765, 6.4550, 14.5140**, and the grayscale version is **12.0701, 12.6987, 13.8289**.

A 20% lighter version of the original color is **28.6934, 31.5952, 20.5058**, and **3.3039, 3.7858, 1.3157** is the 20% darker color. If you saturate the color by 10%, you get **11.4150, 12.8876, 5.5510**, and if you desaturate by 10%, it is **12.1993, 13.4542, 8.9016**.

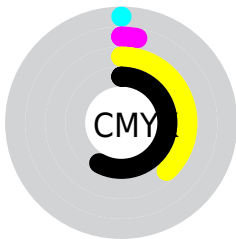
Distribution



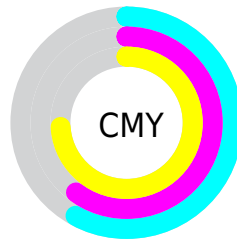
- Red (42%)
- Green (40%)
- Blue (26%)



- Red (27%)
- Yellow (42%)
- Blue (26%)



- Cyan (0%)
- Magenta (3%)
- Yellow (38%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7775, 13.1580, 7.0733 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 11.7775, 13.1580, 7.0733 by changing the saturation by 10% instead.

■ 11.7775, 13.1580,
7.0733

■ 11.7775, 13.1580,
7.0733

196.7268,
211.9278, 177.9254

■ 6.6635, 7.5374,
3.4288

■ 28.7096, 31.5873,
20.6359

■ 3.2970, 3.8004,
1.3176

■ 41.2584, 45.1649,
31.3911

■ 1.3127, 1.5626,
0.0761

■ 57.0161, 62.1636,
45.3537

■ 0.1927, 0.3322,
0.0000

■ 76.3482, 82.9678,
62.9421

■ 0.0000, 0.0000,
0.0000

■ 99.6200, 107.9620,
84.5749

■ 127.1967,

137.5304, 110.6707

159.4439,
172.0576, 141.6480

■ 11.7775, 13.1580,
7.0733

■ 11.7775, 13.1580,
7.0733

■ 11.4150, 12.8876,
5.5510

■ 12.1993, 13.4542,
8.9016

■ 11.1077, 12.6401,
4.3170

■ 12.6825, 13.7757,
11.0506

■ 10.8524, 12.4145,
3.3529

■ 13.2301, 14.1242,
13.5351

■ 10.6451, 12.2093,
2.6381

■ 13.8447, 14.5007,
16.3689

■ 10.4813, 12.0228,
2.1490

■ 14.5288, 14.9062,
19.5647

■ 10.3469, 11.8491,
1.8107

■ 15.2847, 15.3417,
23.1348

■ 10.3169, 11.8101,
1.7358

■ 16.1146, 15.8080,
27.0909

■ 17.0206, 16.3059,
31.4440

■ 18.0048, 16.8363,
36.2050

Harmonies

Analogous

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



13.4588, 13.1580, 7.1628



11.7775, 13.1580, 7.0733



10.4178, 13.1580, 8.5894

Triad

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



11.7775, 13.1580, 7.0733



10.2978, 13.1580, 21.6600



15.8653, 13.1580, 17.1564

Complementary

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



11.7775, 13.1580, 7.0733



6.9765, 6.4550, 14.5140

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.



14.8568, 13.1580, 22.1774



11.7775, 13.1580, 7.0733



11.5998, 13.1580, 25.1502

Square

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



11.7775, 13.1580, 7.0733



9.6165, 13.1580, 16.5631



13.2645, 13.1580, 25.3583



15.9237, 13.1580, 12.3015

Rectangle

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



11.7775, 13.1580, 7.0733



9.8349, 13.1580, 10.5558



13.2645, 13.1580, 25.3583



15.6223, 13.1580, 18.9035

Sweetspot

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



11.7778, 13.1586, 7.0736



22.8628, 24.5645, 22.1289



8.9768, 7.3946, 6.6390



5.3346, 5.7409, 5.0880



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



11.7778, 13.1586, 7.0736



20.1222, 22.6863, 10.1076



10.2894, 12.8419, 7.0909



3.3147, 3.5467, 3.3273



12.7929, 14.6356, 2.1507



64.9065, 74.0167, 10.8657

Inverse Universe

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



6.9765, 6.4550, 14.5140



10.4217, 9.1449, 25.1469



8.0879, 6.7611, 14.5145



2.9650, 3.0583, 3.8689



3.3240, 1.4823, 17.0332



16.6729, 7.0243, 86.7033

Previews

White Background



This preview shows how the XYZ color 11.7775, 13.1580, 7.0733 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 11.7775, 13.1580, 7.0733 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 11.7775, 13.1580, 7.0733

Background



This preview shows how black text looks on a background with the XYZ color 11.7775, 13.1580, 7.0733.



This preview shows how white text looks on a background with the XYZ color 11.7775, 13.1580,

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

11.7775, 13.1580, 7.0733

Protanopia

12.1359, 13.1994, 6.9091

Deuteranopia

13.3139, 13.0922, 7.1355



Tritanopia

13.5247, 13.1555, 15.4621

Trichromacy



Original Color

11.7775, 13.1580, 7.0733

Protanomaly

12.0122, 13.1356, 6.9033

Deuteranomaly

12.6774, 13.0419, 7.1594

Tritanomaly

12.7522, 13.1209, 11.7580

Monochromacy



Original Color

11.7775, 13.1580, 7.0733

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8946, 12.8367, 11.0833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7775, 13.1580, 7.0733 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(106, 103, 66)` looks like.

```
.text, #text, p{  
    color:rgb(106, 103, 66)  
}
```

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(106, 103, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 103, 66) }
```

Border

The CSS property to change the border of an element to XYZ 11.7775, 13.1580, 7.0733 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(106, 103, 66) }
```


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

```
.border{ border-color:rgb(106, 103, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 103, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 103, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 103, 66);  
box-shadow:4px 4px 4px 4px rgb(106, 103,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7775, 13.1580, 7.0733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 103, 66) }
```

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

```
.background{ background-color: rgb(106,  
103, 66) }
```

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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