

Converting Colors

XYZ(12.3911, 13.1925, 11.1495)

Have a look what the booklet for
XYZ(12.3911, 13.1925, 11.1495)
contains.

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Color

**XYZ(12.4567, 13.2715,
11.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6658
RGB	106, 102, 88
RGB Percent	42%, 40%, 35%
CMY	0.5843, 0.6000, 0.6549
CMYK	0.00, 0.04, 0.17, 0.58
HSL	47°, 9%, 38%
HSV	47°, 17%, 42%
XYZ	12.4567, 13.2715, 11.1376
YIQ	101.6000, 6.8780, -3.5060

Conversions

Conversions Part 2

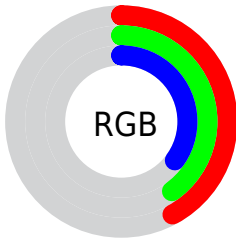
Format	Color
RYB	93, 106, 88
Decimal	6973016
CIELab	43.17, -1.07, 8.48
CIElCh	43, 8.548, 97.162
Yxy	13.2715, 0.3379, 0.3600
Android (android.graphics.Color)	4285163096 (0xFF6A6658)
YUV	101.6000, -6.7048, 3.8588
Hunter-Lab	36.4301, -2.7173, 7.3746

Details

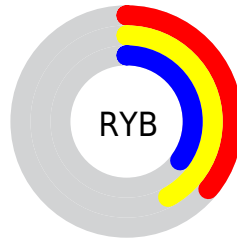
The XYZ color **12.4567, 13.2715, 11.1376** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.4531, 10.7694, 15.1636**, and the grayscale version is **12.5410, 13.1941, 14.3684**.

A 20% lighter version of the original color is **29.8833, 31.7855, 28.6050**, and **3.6059, 3.8366, 2.8360** is the 20% darker color. If you saturate the color by 10%, you get **11.8212, 12.6528, 8.9148**, and if you desaturate by 10%, it is **13.1634, 13.9301, 13.6996**.

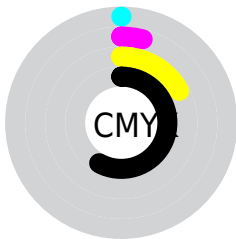
Distribution



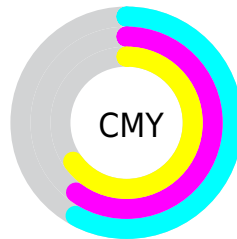
- Red (42%)
- Green (40%)
- Blue (35%)



- Red (36%)
- Yellow (42%)
- Blue (35%)



- Cyan (0%)
- Magenta (4%)
- Yellow (17%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4567, 13.2715, 11.1376 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 12.4567, 13.2715, 11.1376 by changing the saturation by 10% instead.

■ 12.4567, 13.2715,
11.1376

■ 12.4567, 13.2715,
11.1376

201.1145,
212.6504, 209.3804

■ 7.1299, 7.6158,
6.0441

■ 29.9339, 31.7907,
28.5549

■ 3.5905, 3.8501,
2.8027

■ 42.8150, 45.4229,
41.7157

■ 1.4732, 1.5901,
0.9948

■ 58.9450, 62.4828,
58.4028

■ 0.3075, 0.3509,
0.0000

■ 78.6891, 83.3547,
79.0347

■ 0.0000, 0.0000,
0.0000

■ 102.4128,
108.4230, 104.0298

130.4813,

138.0722, 133.8068

163.2601,
172.6865, 168.7841

■ 12.4567, 13.2715,
11.1376

■ 12.4567, 13.2715,
11.1376

■ 11.8212, 12.6528,
8.9148

■ 13.1634, 13.9301,
13.6996

■ 11.2530, 12.0709,
7.0157

■ 13.9427, 14.6280,
16.6134

■ 10.7494, 11.5253,
5.4252

■ 14.7977, 15.3667,
19.8922

■ 10.3073, 11.0145,
4.1264

■ 15.7305, 16.1475,
23.5482

■ 9.9230, 10.5370,
3.1010

■ 16.7436, 16.9711,
27.5930

■ 9.5926, 10.0911,
2.3283

■ 17.8390, 17.8386,
32.0377

■ 9.3116, 9.6750,
1.7851

■ 19.0189, 18.7509,
36.8931

■ 9.0676, 9.2835,
1.4059

■ 20.2851, 19.7089,
42.1694

■ 8.9958, 9.1680,
1.2955

■ 21.6398, 20.7133,
47.8766

Harmonies

Analogous

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



13.1129, 13.2715, 11.3546



12.4567, 13.2715, 11.1376



11.8634, 13.2715, 11.7446

Triad

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



12.4567, 13.2715, 11.1376



11.6301, 13.2715, 16.7576



13.8196, 13.2715, 15.9067

Complementary

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



12.4567, 13.2715, 11.1376



10.4531, 10.7694, 15.1636

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.



13.3959, 13.2715, 17.5429



12.4567, 13.2715, 11.1376



12.1282, 13.2715, 18.0633

Square

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



12.4567, 13.2715, 11.1376



11.3971, 13.2715, 14.9080



12.7729, 13.2715, 18.3625



13.9149, 13.2715, 14.0023

Rectangle

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



12.4567, 13.2715, 11.1376



11.5782, 13.2715, 12.5688



12.7729, 13.2715, 18.3625



13.7101, 13.2715, 16.5111

Sweetspot

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



12.4571, 13.2721, 11.1379



23.3441, 24.6679, 24.9381



11.3743, 10.8200, 11.6602



5.4527, 5.7642, 5.7837



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.



12.4571, 13.2721, 11.1379



21.4497, 22.8967, 18.0866



12.3049, 13.7911, 11.2461



3.2790, 3.4752, 3.3154



11.1388, 11.3272, 1.5993



56.0930, 56.3896, 7.9279

Inverse Universe

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



10.4531, 10.7694, 15.1636



17.2934, 17.7062, 26.4372



10.5854, 10.3370, 15.0732



2.9979, 3.1242, 3.8799



3.5991, 2.0326, 17.1249



17.7874, 9.2534, 87.0748

Previews

White Background



This preview shows how the XYZ color 12.4567, 13.2715, 11.1376 looks on a white background.

Color Contrast Check

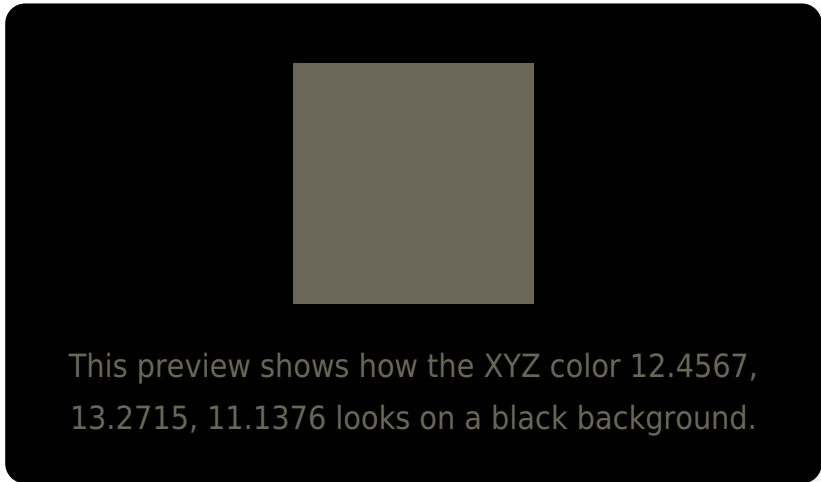
Large Text (above 18pt) WCAG AA ✓ Pass

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

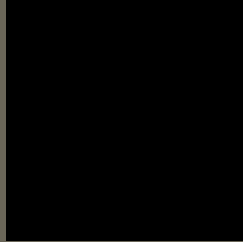
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4567, 13.2715, 11.1376

Background



This preview shows how black text looks on a background with the XYZ color 12.4567, 13.2715, 11.1376.

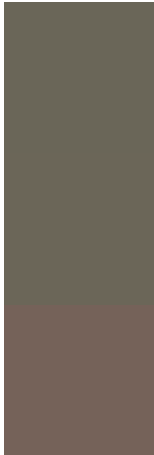


This preview shows how white text looks on a background with the XYZ color 12.4567, 13.2715,

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

12.4567, 13.2715, 11.1376

Protanopia

12.5762, 13.3331, 11.1432

Deuteranopia

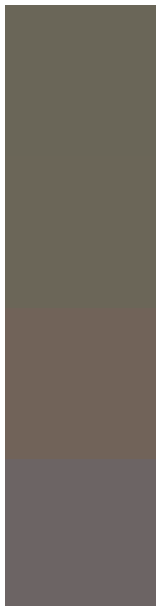
13.5070, 13.2385, 11.2946



Tritanopia

13.4224, 13.2364, 15.7574

Trichromacy



Original Color

12.4567, 13.2715, 11.1376

Protanomaly

12.5762, 13.3331, 11.1432

Deuteranomaly

13.0751, 13.1557, 11.3014

Tritanomaly

13.0418, 13.2226, 13.9214

Monochromacy



Original Color

12.4567, 13.2715, 11.1376

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5026, 13.2494, 13.2077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4567, 13.2715, 11.1376 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, 102, 88)` looks like.

```
.text, #text, p{  
    color:rgb(106, 102, 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(106, 102, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 102, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.4567, 13.2715, 11.1376 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, 102, 88) }
```


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

```
.border{ border-color:rgb(106, 102, 88) }
```

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

Here you see how a box with a 4 pixel rgb(106, 102, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 102, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 102, 88);  
box-shadow:4px 4px 4px 4px rgb(106, 102,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4567, 13.2715, 11.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 102, 88) }
```

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

```
.background{ background-color: rgb(106,  
102, 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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