

Converting Colors

XYZ(12.5666, 13.0048, 12.6743)

Have a look what the booklet for
XYZ(12.5666, 13.0048, 12.6743)
contains.

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Color

**XYZ(12.5666, 13.0047,
12.6743)**

Conversions

Conversions Part 1

Format	Color
Hex	6A645F
RGB	106, 100, 95
RGB Percent	42%, 39%, 37%
CMY	0.5843, 0.6078, 0.6274
CMYK	0.00, 0.06, 0.10, 0.58
HSL	27°, 5%, 39%
HSV	27°, 10%, 42%
XYZ	12.5666, 13.0047, 12.6743
YIQ	101.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

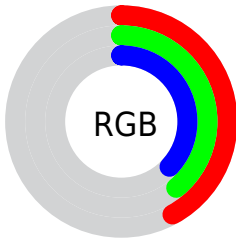
Format	Color
RYB	106, 104, 95
Decimal	6972511
CIELab	42.77, 1.40, 3.68
CIELCh	43, 3.933, 69.152
Yxy	13.0047, 0.3286, 0.3400
Android (android.graphics.Color)	4285162591 (0xFF6A645F)
YUV	101.2240, -3.0684, 4.1886
Hunter-Lab	36.0620, -0.9063, 4.4055

Details

The XYZ color **12.5666, 13.0047, 12.6743** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9746, 12.7808, 15.4717**, and the grayscale version is **12.4346, 13.0821, 14.2464**.

A 20% lighter version of the original color is **30.0821, 31.3456, 31.2529**, and **3.6311, 3.6978, 3.4281** is the 20% darker color. If you saturate the color by 10%, you get **11.5824, 11.7556, 10.1286**, and if you desaturate by 10%, it is **13.6564, 14.3599, 15.5791**.

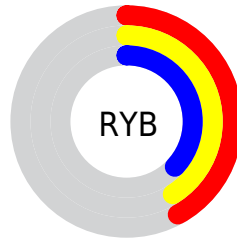
Distribution



Red (42%)

Green (39%)

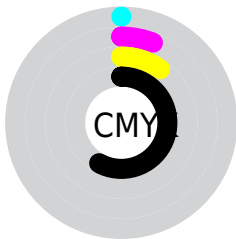
Blue (37%)



Red (42%)

Yellow (41%)

Blue (37%)

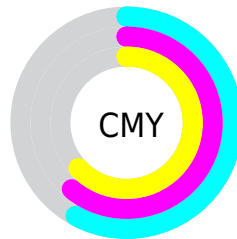


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (58%)



Cyan (58%)

Magenta (61%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5666, 13.0047, 12.6743 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 12.5666, 13.0047, 12.6743 by changing the saturation by 10% instead.

■ 12.5666, 13.0047,
12.6743

■ 12.5666, 13.0047,
12.6743

201.8153,
210.9478, 219.9536

■ 7.2057, 7.4318,
7.0766

■ 30.1309, 31.3122,
31.4000

■ 3.6386, 3.7336,
3.4309

■ 43.0651, 44.8156,
45.3650

■ 1.4998, 1.5257,
1.3186

■ 59.2544, 61.7313,
62.9562

■ 0.3257, 0.3067,
0.0770

■ 79.0641, 82.4437,
84.5921

■ 0.0000, 0.0000,
0.0000

102.8598,
107.3371, 110.6912

131.0066,

136.7960, 141.6722

163.8700,
171.2048, 177.9535

■ 12.5666, 13.0047,
12.6743

■ 12.5666, 13.0047,
12.6743

■ 11.5824, 11.7556,
10.1286

■ 13.6564, 14.3599,
15.5791

■ 10.6994, 10.6082,
7.9271

■ 14.8541, 15.8220,
18.8554

■ 9.9142, 9.5602,
6.0548

■ 16.1631, 17.3941,
22.5163

■ 9.2230, 8.6087,
4.4957

■ 17.5865, 19.0785,
26.5737

■ 8.6215, 7.7507,
3.2322

■ 19.1270, 20.8776,
31.0392

■ 8.1053, 6.9828,
2.2448

■ 20.7874, 22.7936,
35.9238

■ 7.6694, 6.3014,
1.5119

■ 22.5704, 24.8286,
41.2381

■ 7.3079, 5.7026,
1.0085

■ 24.4786, 26.9848,
46.9925

■ 7.0090, 5.1943,
0.6332

■ 26.5145, 29.2642,
53.1967

Harmonies

Analogous

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



12.8124, 13.0047, 13.1442



12.5666, 13.0047, 12.6743



12.2692, 13.0047, 12.5937

Triad

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



12.5666, 13.0047, 12.6743



11.8009, 13.0047, 14.4238



12.7276, 13.0047, 15.4774

Complementary

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



12.5666, 13.0047, 12.6743



11.9746, 12.7808, 15.4717

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.



12.4524, 13.0047, 15.8509



12.5666, 13.0047, 12.6743



11.9195, 13.0047, 15.2266

Square

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



12.5666, 13.0047, 12.6743



11.8303, 13.0047, 13.5812



12.1568, 13.0047, 15.7573



12.9064, 13.0047, 14.7548

Rectangle

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



12.5666, 13.0047, 12.6743



12.0823, 13.0047, 12.7682



12.1568, 13.0047, 15.7573



12.6431, 13.0047, 15.6492

Sweetspot

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



12.5670, 13.0053, 12.6746



23.4312, 24.5400, 25.8987



12.3877, 12.1894, 14.0249



5.4577, 5.7101, 5.9836



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.



12.5670, 13.0053, 12.6746



21.7031, 22.3813, 21.3220



13.1072, 14.0857, 12.8547



3.2025, 3.3223, 3.2899



8.6649, 6.3796, 0.7747



43.3046, 30.8129, 3.6651

Inverse Universe

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



11.9746, 12.7808, 15.4717



20.4831, 21.9189, 27.0822



11.4630, 11.7576, 15.3012



3.0723, 3.2730, 3.9047



5.0600, 4.9542, 17.6118



24.9059, 23.4903, 89.4476

Previews

White Background



This preview shows how the XYZ color 12.5666, 13.0047, 12.6743 looks on a white background.

Color Contrast Check

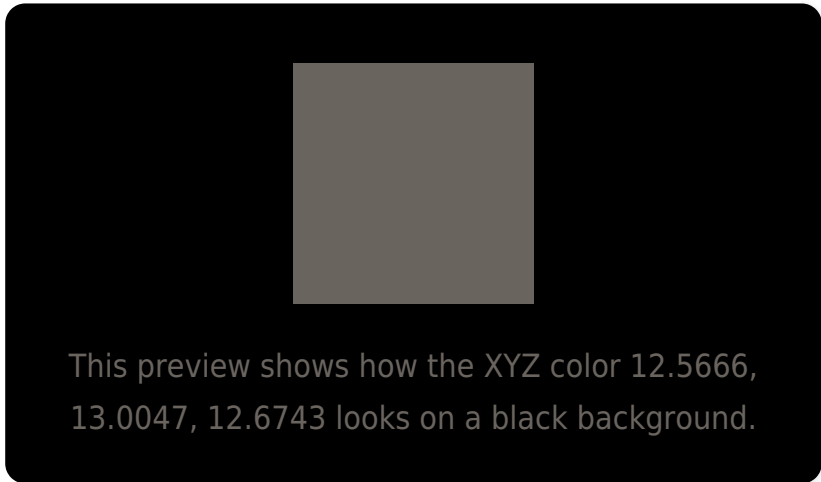
Large Text (above 18pt) WCAG AA ✓ Pass

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

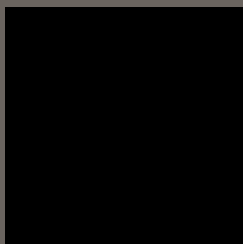
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5666, 13.0047, 12.6743

Background



This preview shows how black text looks on a background with the XYZ color 12.5666, 13.0047, 12.6743.



This preview shows how white text looks on a background with the XYZ color 12.5666, 13.0047,

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

12.5666, 13.0047, 12.6743

Protanopia

12.4282, 13.0766, 12.6955

Deuteranopia

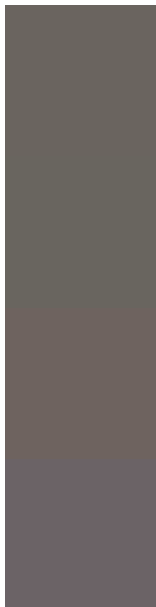
13.2433, 13.0723, 12.6517



Tritanopia

13.1535, 12.9641, 15.4447

Trichromacy



Original Color

12.5666, 13.0047, 12.6743

Protanomaly

12.5449, 13.1368, 12.7009

Deuteranomaly

12.9578, 13.0649, 12.6653

Tritanomaly

12.9235, 13.0088, 14.4002

Monochromacy



Original Color

12.5666, 13.0047, 12.6743

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4993, 13.0918, 13.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5666, 13.0047, 12.6743 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, 100, 95)` looks like.

```
.text, #text, p{  
    color:rgb(106, 100, 95)  
}
```

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, 100, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 100, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.5666, 13.0047, 12.6743 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, 100, 95) }
```


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

```
.border{ border-color:rgb(106, 100, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 100, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 100, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 100, 95);  
box-shadow:4px 4px 4px 4px rgb(106, 100,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5666, 13.0047, 12.6743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 100, 95) }
```

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

```
.background{ background-color: rgb(106,  
100, 95) }
```

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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