

Converting Colors

XYZ(11.7294, 12.9586, 13.8201)

Have a look what the booklet for
XYZ(11.7294, 12.9586, 13.8201)
contains.

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Color

**XYZ(11.7666, 13.0003,
13.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6764
RGB	94, 103, 100
RGB Percent	37%, 40%, 39%
CMY	0.6314, 0.5961, 0.6078
CMYK	0.09, 0.00, 0.03, 0.60
HSL	160°, 5%, 39%
HSV	160°, 9%, 40%
XYZ	11.7666, 13.0003, 13.9457
YIQ	99.9670, -4.4010, -2.8410

Conversions

Conversions Part 2

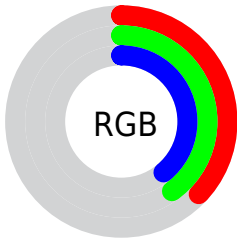
Format	Color
R_{YB}	94, 99, 103
Decimal	6186852
CIE _{Lab}	42.76, -4.10, 0.50
CIE _{LCh}	43, 4.127, 173.011
Yxy	13.0003, 0.3039, 0.3358
Android (android.graphics.Color)	4284376932 (0xFF5E6764)
YUV	99.9670, 0.0163, -5.2331
Hunter-Lab	36.0559, -4.8456, 2.3070

Details

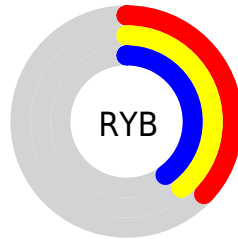
The XYZ color **11.7666, 13.0003, 13.9457** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7544, 11.7524, 12.9589**, and the grayscale version is **12.1058, 12.7362, 13.8697**.

A 20% lighter version of the original color is **28.6431, 31.2749, 33.8052**, and **3.2757, 3.7138, 3.9123** is the 20% darker color. If you saturate the color by 10%, you get **10.6174, 12.4270, 13.0424**, and if you desaturate by 10%, it is **13.0646, 13.6502, 14.8931**.

Distribution



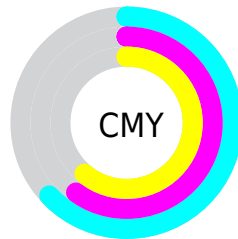
- Red (37%)
- Green (40%)
- Blue (39%)



- Red (37%)
- Yellow (39%)
- Blue (40%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (60%)



- Cyan (63%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7666, 13.0003, 13.9457 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 11.7666, 13.0003, 13.9457 by changing the saturation by 10% instead.

■ 11.7666, 13.0003,
13.9457

■ 11.7666, 13.0003,
13.9457

196.6556,
210.9196, 228.3094

■ 6.6560, 7.4288,
7.9446

■ 28.6899, 31.3043,
33.7084

■ 3.2923, 3.7317,
3.9722

■ 41.2332, 44.8056,
48.3070

■ 1.3102, 1.5246,
1.6101

■ 56.9849, 61.7189,
66.6086

■ 0.1908, 0.3060,
0.2980

■ 76.3103, 82.4286,
89.0317

■ 0.0000, 0.0000,
0.0000

99.5747, 107.3191,
115.9948

127.1435,

136.7749, 147.9164

159.3820,
171.1802, 185.2151

■ 11.7666, 13.0003,
13.9457

■ 11.7666, 13.0003,
13.9457

■ 10.6174, 12.4270,
13.0424

■ 13.0646, 13.6502,
14.8931

■ 9.6102, 11.9258,
12.1817

■ 14.5155, 14.3777,
15.8844

■ 8.7393, 11.4941,
11.3631

■ 16.1247, 15.1860,
16.9206

■ 7.9984, 11.1286,
10.5858

■ 17.8972, 16.0777,
18.0023

■ 7.3805, 10.8257,
9.8490

■ 19.8375, 17.0550,
19.1302

■ 6.8779, 10.5815,
9.1519

■ 21.9499, 18.1202,
20.3048

■ 6.4821, 10.3916,
8.4936

■ 24.2389, 19.2755,
21.5269

■ 6.1833, 10.2510,
7.8731

■ 26.7084, 20.5230,
22.7969

■ 5.9436, 10.1401,
7.2882

■ 29.3625, 21.8648,
24.1154

Harmonies

Analogous

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



11.8803, 13.0003, 13.1398



11.7666, 13.0003, 13.9457



11.8088, 13.0003, 14.8420

Triad

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



11.7666, 13.0003, 13.9457



12.5940, 13.0003, 15.8075



12.7233, 13.0003, 12.8181

Complementary

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



11.7666, 13.0003, 13.9457



11.7544, 11.7524, 12.9589

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.



12.9206, 13.0003, 13.4897



11.7666, 13.0003, 13.9457



12.8451, 13.0003, 15.2215

Square

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



11.7666, 13.0003, 13.9457



12.2831, 13.0003, 15.9422



12.9656, 13.0003, 14.3666



12.4300, 13.0003, 12.5068

Rectangle

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



11.7666, 13.0003, 13.9457



11.9200, 13.0003, 15.3680



12.9656, 13.0003, 14.3666



12.8033, 13.0003, 13.0078

Sweetspot

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



11.7670, 13.0009, 13.9460



22.3488, 23.9184, 25.9192



11.8168, 13.0589, 12.4877



5.4134, 5.8159, 6.2952



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.



11.7670, 13.0009, 13.9460



20.7319, 23.1098, 24.7140



11.7818, 12.7936, 14.6811



2.8668, 3.1705, 3.3998



7.4236, 12.7331, 8.9923



38.3006, 66.2428, 44.7004

Inverse Universe

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



11.7544, 11.7524, 12.9589



20.7057, 20.5030, 22.6529



11.7381, 11.9397, 12.2758



2.8636, 2.8601, 3.1544



7.3916, 3.7696, 2.1944



38.1810, 19.5124, 9.4966

Previews

White Background



This preview shows how the XYZ color 11.7666, 13.0003, 13.9457 looks on a white background.

Color Contrast Check

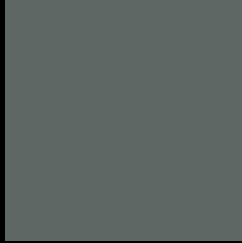
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7666, 13.0003, 13.9457 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

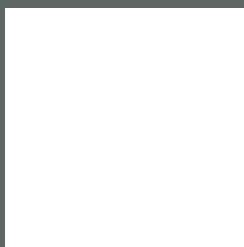
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7666, 13.0003, 13.9457

Background



This preview shows how black text looks on a background with the XYZ color 11.7666, 13.0003, 13.9457.



This preview shows how white text looks on a background with the XYZ color 11.7666, 13.0003,

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

11.7666, 13.0003, 13.9457

Protanopia

12.4028, 12.8988, 13.6404

Deuteranopia

13.1471, 12.9899, 14.1263



Tritanopia

12.3897, 13.1153, 16.6304

Trichromacy

**Original Color**

11.7666, 13.0003, 13.9457

Protanomaly

12.1613, 12.9175, 13.6567

Deuteranomaly

12.6151, 12.9970, 14.1557

Tritanomaly

12.0722, 12.9762, 15.5041

Monochromacy

**Original Color**

11.7666, 13.0003, 13.9457

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9909, 12.8241, 13.8999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7666, 13.0003, 13.9457 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(94, 103, 100) looks like.

```
.text, #text, p{  
    color:rgb(94, 103, 100)  
}
```

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(94, 103, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 103, 100) }
```

Border

The CSS property to change the border of an element to XYZ 11.7666, 13.0003, 13.9457 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(94, 103, 100) }
```


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

```
.border{ border-color:rgb(94, 103, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 103, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 103, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 103, 100);  
box-shadow:4px 4px 4px 4px rgb(94, 103,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7666, 13.0003, 13.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 103, 100) }
```

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

```
.background{ background-color: rgb(94, 103,  
100) }
```

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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