

Converting Colors

XYZ(11.7036, 13.1376, 10.3048)

Have a look what the booklet for
XYZ(11.7036, 13.1376, 10.3048)
contains.

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Color

**XYZ(11.6961, 13.1934,
10.3176)**

Conversions

Conversions Part 1

Format	Color
Hex	636854
RGB	99, 104, 84
RGB Percent	39%, 41%, 33%
CMY	0.6118, 0.5921, 0.6706
CMYK	0.05, 0.00, 0.19, 0.59
HSL	75°, 11%, 37%
HSV	75°, 19%, 41%
XYZ	11.6961, 13.1934, 10.3176
YIQ	100.2250, 3.4400, -7.2800

Conversions

Conversions Part 2

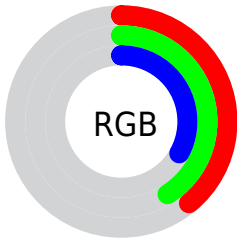
Format	Color
R _Y B	84, 104, 89
Decimal	6514772
CIE Lab	43.05, -5.84, 10.64
CIE LCh	43, 12.134, 118.783
Yxy	13.1934, 0.3322, 0.3747
Android (android.graphics.Color)	4284704852 (0xFF636854)
YUV	100.2250, -7.9989, -1.0743
Hunter-Lab	36.3227, -6.0869, 8.5844

Details

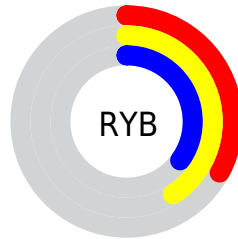
The XYZ color **11.6961, 13.1934, 10.3176** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.7894, 9.4643, 14.4083**, and the grayscale version is **12.1900, 12.8249, 13.9663**.

A 20% lighter version of the original color is **28.6021, 31.6480, 27.1554**, and **3.2455, 3.8028, 2.4824** is the 20% darker color. If you saturate the color by 10%, you get **11.0391, 12.8987, 8.3161**, and if you desaturate by 10%, it is **12.4234, 13.5181, 12.6388**.

Distribution



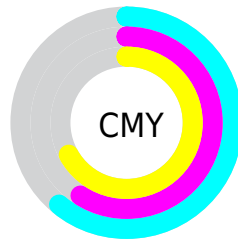
- Red (39%)
- Green (41%)
- Blue (33%)



- Red (33%)
- Yellow (41%)
- Blue (35%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (59%)



- Cyan (61%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6961, 13.1934, 10.3176 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 11.6961, 13.1934, 10.3176 by changing the saturation by 10% instead.

■ 11.6961, 13.1934,
10.3176

■ 11.6961, 13.1934,
10.3176

196.1942,
212.1535, 203.4905

■ 6.6078, 7.5619,
5.5017

■ 28.5621, 31.6508,
27.0083

■ 3.2622, 3.8159,
2.4807

■ 41.0705, 45.2454,
39.7201

■ 1.2939, 1.5711,
0.8299

■ 56.7830, 62.2633,
55.9011

■ 0.1786, 0.3380,
0.0000

■ 76.0649, 83.0886,
75.9696

■ 0.0000, 0.0000,
0.0000

■ 99.2816, 108.1059,
100.3443

126.7985,

137.6996, 129.4436

158.9809,
172.2539, 163.6862

■ 11.6961, 13.1934,
10.3176

■ 11.6961, 13.1934,
10.3176

■ 11.0391, 12.8987,
8.3161

■ 12.4234, 13.5181,
12.6388

■ 10.4487, 12.6313,
6.6194

■ 13.2227, 13.8723,
15.2918

■ 9.9223, 12.3905,
5.2127

■ 14.0966, 14.2574,
18.2895

■ 9.4567, 12.1751,
4.0798

■ 15.0476, 14.6743,
21.6436

■ 9.0484, 11.9836,
3.2026

■ 16.0777, 15.1241,
25.3652

■ 8.6935, 11.8145,
2.5612

■ 17.1892, 15.6075,
29.4652

■ 8.3875, 11.6659,
2.1324

■ 18.3840, 16.1253,
33.9537

■ 8.1123, 11.5306,
1.8210

■ 19.6641, 16.6784,
38.8406

■ 8.0916, 11.5205,
1.7972

■ 21.0314, 17.2675,
44.1355

Harmonies

Analogous

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



12.5781, 13.1934, 9.8179



11.6961, 13.1934, 10.3176



11.0679, 13.1934, 11.8644

Triad

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



11.6961, 13.1934, 10.3176



11.6332, 13.1934, 19.2208



14.4197, 13.1934, 14.4748

Complementary

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



11.6961, 13.1934, 10.3176



9.7894, 9.4643, 14.4083

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.



14.1370, 13.1934, 17.1952



11.6961, 13.1934, 10.3176



12.5019, 13.1934, 20.1365

Square

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



11.6961, 13.1934, 10.3176



11.0329, 13.1934, 16.9830



13.4234, 13.1934, 19.3536



14.1784, 13.1934, 12.0316

Rectangle

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



11.6961, 13.1934, 10.3176



10.8618, 13.1934, 13.3892



13.4234, 13.1934, 19.3536



14.3826, 13.1934, 15.3879

Sweetspot

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



11.6964, 13.1940, 10.3179



22.2104, 23.8997, 23.5352



10.8820, 10.7283, 9.8849



5.4044, 5.8245, 5.6944



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.



11.6964, 13.1940, 10.3179



19.9953, 22.9115, 16.4827



10.6708, 12.6653, 10.2699



2.9768, 3.2352, 3.0420



9.9444, 14.1852, 2.2139



51.0368, 73.5564, 11.5079

Inverse Universe

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



9.7894, 9.4643, 14.4083



16.0025, 15.1016, 25.0486



10.8151, 9.9931, 14.4563



2.7510, 2.7937, 3.5262



3.5785, 1.4890, 16.2431



17.9642, 7.4051, 84.6839

Previews

White Background



This preview shows how the XYZ color 11.6961, 13.1934, 10.3176 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 11.6961, 13.1934, 10.3176 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

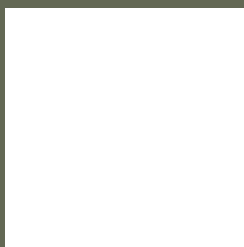
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6961, 13.1934, 10.3176

Background



This preview shows how black text looks on a background with the XYZ color 11.6961, 13.1934, 10.3176.

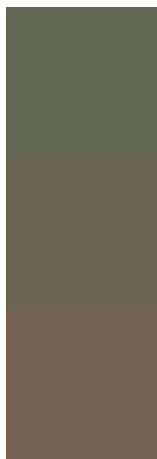


This preview shows how white text looks on a background with the XYZ color 11.6961, 13.1934,

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

11.6961, 13.1934, 10.3176

Protanopia

12.3994, 13.1200, 10.0625

Deuteranopia

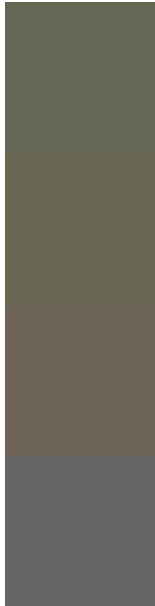
13.3435, 13.1731, 10.4337



Tritanopia

12.8935, 13.2363, 16.3433

Trichromacy



Original Color

11.6961, 13.1934, 10.3176

Protanomaly

12.1384, 13.1305, 10.0783

Deuteranomaly

12.6273, 13.0852, 10.4545

Tritanomaly

12.4184, 13.1895, 13.9479

Monochromacy



Original Color

11.6961, 13.1934, 10.3176

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9296, 12.8248, 12.4364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6961, 13.1934, 10.3176 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(99, 104, 84) looks like.

```
.text, #text, p{  
    color:rgb(99, 104, 84)  
}
```

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(99, 104, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 104, 84) }
```

Border

The CSS property to change the border of an element to XYZ 11.6961, 13.1934, 10.3176 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(99, 104, 84) }
```


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

```
.border{ border-color:rgb(99, 104, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 104, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 104, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 104, 84);  
box-shadow:4px 4px 4px 4px rgb(99, 104,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6961, 13.1934, 10.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 104, 84) }
```

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

```
.background{ background-color: rgb(99, 104,  
84) }
```

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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