

Converting Colors

XYZ(11.9316, 13.0711, 13.2323)

Have a look what the booklet for
XYZ(11.9316, 13.0711, 13.2323)
contains.

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Color

**XYZ(11.9377, 13.1050,
13.2096)**

Conversions

Conversions Part 1

Format	Color
Hex	616761
RGB	97, 103, 97
RGB Percent	38%, 40%, 38%
CMY	0.6196, 0.5961, 0.6196
CMYK	0.06, 0.00, 0.06, 0.60
HSL	120°, 3%, 39%
HSV	120°, 6%, 40%
XYZ	11.9377, 13.1050, 13.2096
YIQ	100.5220, -1.6500, -3.1380

Conversions

Conversions Part 2

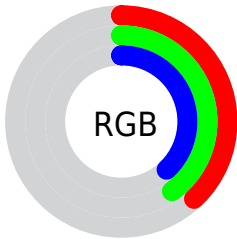
Format	Color
R_{YB}	97, 103, 103
Decimal	6383457
CIE Lab	42.92, -3.57, 2.58
CIE LCh	43, 4.406, 144.167
Yxy	13.1050, 0.3121, 0.3426
Android (android.graphics.Color)	4284573537 (0xFF616761)
YUV	100.5220, -1.7363, -3.0888
Hunter-Lab	36.2008, -4.4887, 3.7058

Details

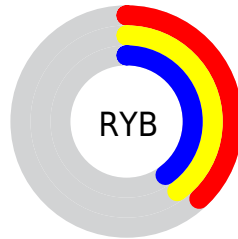
The XYZ color **11.9377, 13.1050, 13.2096** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3169, 12.4126, 14.5793**, and the grayscale version is **12.2516, 12.8896, 14.0368**.

A 20% lighter version of the original color is **29.1136, 31.5452, 32.5714**, and **3.3770, 3.7712, 3.6819** is the 20% darker color. If you saturate the color by 10%, you get **10.4612, 12.3961, 10.7942**, and if you desaturate by 10%, it is **13.6199, 13.9134, 15.9607**.

Distribution



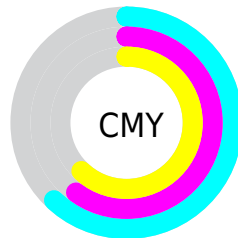
- Red (38%)
- Green (40%)
- Blue (38%)



- Red (38%)
- Yellow (40%)
- Blue (40%)



- Cyan (6%)
- Magenta (0%)
- Yellow (6%)
- Black (60%)



- Cyan (62%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9377, 13.1050, 13.2096 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 11.9377, 13.1050, 13.2096 by changing the saturation by 10% instead.

■ 11.9377, 13.1050,
13.2096

■ 11.9377, 13.1050,
13.2096

197.7708,
211.5895, 223.5114

■ 6.7732, 7.5009,
7.4406

■ 28.9994, 31.4923,
32.3765

■ 3.3657, 3.7773,
3.6566

■ 41.6273, 45.0443,
46.6115

■ 1.3500, 1.5498,
1.4389

■ 57.4737, 62.0143,
64.5056

■ 0.2202, 0.3234,
0.1718

■ 76.9040, 82.7868,
86.4774

■ 0.0000, 0.0000,
0.0000

100.2835,
107.7462, 112.9453

127.9775,

137.2769, 144.3279

160.3515,
171.7632, 181.0438

■ 11.9377, 13.1050,
13.2096

■ 11.9377, 13.1050,
13.2096

■ 10.4612, 12.3961,
10.7942

■ 13.6199, 13.9134,
15.9607

■ 9.1814, 11.7814,
8.7009

■ 15.5140, 14.8233,
19.0589

■ 8.0904, 11.2573,
6.9164

■ 17.6275, 15.8385,
22.5158

■ 7.1792, 10.8196,
5.4260

■ 19.9671, 16.9623,
26.3426

■ 6.4382, 10.4637,
4.2139

■ 22.5393, 18.1979,
30.5496

■ 5.8568, 10.1844,
3.2629

■ 25.3501, 19.5481,
35.1471

■ 5.4233, 9.9762,
2.5539

■ 28.4056, 21.0158,
40.1447

■ 5.1245, 9.8326,
2.0650

■ 31.7114, 22.6037,
45.5518

■ 4.9279, 9.7382,
1.7435

■ 35.2731, 24.3146,
51.3775

Harmonies

Analogous

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



12.1924, 13.1050, 12.6414



11.9377, 13.1050, 13.2096



11.8221, 13.1050, 14.0813

Triad

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



11.9377, 13.1050, 13.2096



12.3901, 13.1050, 16.1969



13.0568, 13.1050, 13.5224

Complementary

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



11.9377, 13.1050, 13.2096



12.3169, 12.4126, 14.5793

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.



13.1120, 13.1050, 14.4586



11.9377, 13.1050, 13.2096



12.7232, 13.1050, 16.0309

Square

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



11.9377, 13.1050, 13.2096



12.0802, 13.1050, 15.8278



12.9889, 13.1050, 15.3838



12.8393, 13.1050, 12.8162

Rectangle

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



11.9377, 13.1050, 13.2096



11.8379, 13.1050, 14.7284



12.9889, 13.1050, 15.3838



13.0951, 13.1050, 13.8195

Sweetspot

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



11.9381, 13.1056, 13.2099



22.4662, 23.9897, 25.4369



12.6021, 13.4479, 13.2409



5.4936, 5.8588, 6.2262



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.



11.9381, 13.1056, 13.2099



20.9893, 23.2802, 23.0212



12.0807, 13.1626, 13.9609



2.8639, 3.1747, 3.1427



6.1023, 12.2045, 2.0342



31.8266, 63.6532, 10.6091

Inverse Universe

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



12.3169, 12.4126, 14.5793



21.8208, 21.7593, 26.0268



12.1689, 12.3534, 13.8001



2.9761, 2.9695, 3.5483



10.1173, 4.8599, 16.5478



52.7670, 25.3468, 86.3054

Previews

White Background



This preview shows how the XYZ color 11.9377, 13.1050, 13.2096 looks on a white background.

Color Contrast Check

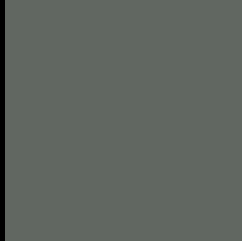
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9377, 13.1050, 13.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

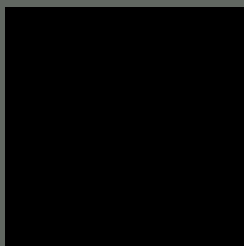
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

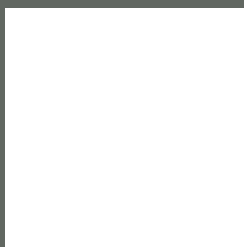
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9377, 13.1050, 13.2096

Background



This preview shows how black text looks on a background with the XYZ color 11.9377, 13.1050, 13.2096.



This preview shows how white text looks on a background with the XYZ color 11.9377, 13.1050,

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

11.9377, 13.1050, 13.2096

Protanopia

12.4739, 13.0949, 12.9365

Deuteranopia

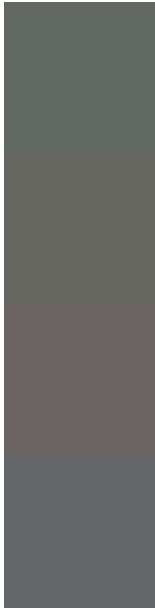
13.2544, 13.0620, 13.3779



Tritanopia

12.5596, 13.0641, 16.3277

Trichromacy



Original Color

11.9377, 13.1050, 13.2096

Protanomaly

12.2295, 13.1140, 12.9530

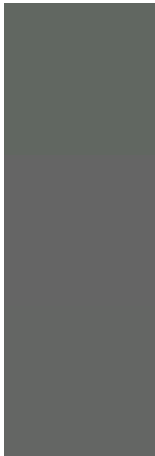
Deuteranomaly

12.8252, 13.1220, 13.4121

Tritanomaly

12.3382, 13.1193, 15.2466

Monochromacy



Original Color

11.9377, 13.1050, 13.2096

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3072, 13.1322, 13.9427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9377, 13.1050, 13.2096 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(97, 103, 97)` looks like.

```
.text, #text, p{  
    color:rgb(97, 103, 97)  
}
```

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(97, 103, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 103, 97) }
```

Border

The CSS property to change the border of an element to XYZ 11.9377, 13.1050, 13.2096 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(97, 103, 97) }
```


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

```
.border{ border-color:rgb(97, 103, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 103, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 103, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 103, 97);  
box-shadow:4px 4px 4px 4px rgb(97, 103,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9377, 13.1050, 13.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 103, 97) }
```

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

```
.background{ background-color: rgb(97, 103,  
97) }
```

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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