

Converting Colors

XYZ(11.8195, 12.1238, 13.4328)

Have a look what the booklet for
XYZ(11.8195, 12.1238, 13.4328)
contains.

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Color

**XYZ(11.8937, 12.2169,
13.5356)**

Conversions

Conversions Part 1

Format	Color
Hex	656163
RGB	101, 97, 99
RGB Percent	40%, 38%, 39%
CMY	0.6039, 0.6196, 0.6118
CMYK	0.00, 0.04, 0.02, 0.60
HSL	330°, 2%, 39%
HSV	330°, 4%, 40%
XYZ	11.8937, 12.2169, 13.5356
YIQ	98.4240, 1.7420, 1.4700

Conversions

Conversions Part 2

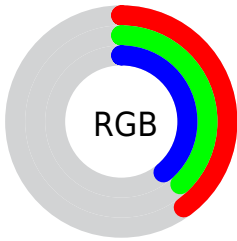
Format	Color
R_{YB}	101, 97, 99
Decimal	6644067
CIE Lab	41.56, 1.99, -0.58
CIE LCh	42, 2.074, 343.837
Yxy	12.2169, 0.3159, 0.3245
Android (android.graphics.Color)	4284834147 (0xFF656163)
YUV	98.4240, 0.2840, 2.2592
Hunter-Lab	34.9527, -0.4272, 1.5065

Details

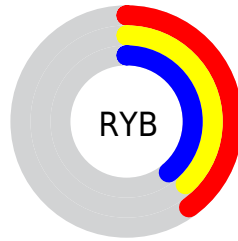
The XYZ color **11.8937, 12.2169, 13.5356** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8361, 12.7501, 13.6423**, and the grayscale version is **11.7145, 12.3245, 13.4214**.

A 20% lighter version of the original color is **29.0438, 30.0572, 33.1250**, and **3.3478, 3.4090, 3.8497** is the 20% darker color. If you saturate the color by 10%, you get **10.7853, 10.3745, 12.0114**, and if you desaturate by 10%, it is **13.1368, 14.3041, 15.1796**.

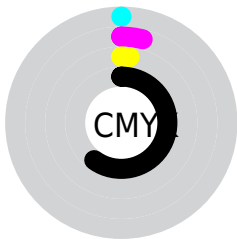
Distribution



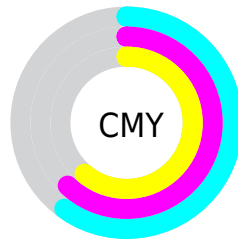
- Red (40%)
- Green (38%)
- Blue (39%)



- Red (40%)
- Yellow (38%)
- Blue (39%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (60%)



- Cyan (60%)
- Magenta (62%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8937, 12.2169, 13.5356 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 11.8937, 12.2169, 13.5356 by changing the saturation by 10% instead.

■ 11.8937, 12.2169,
13.5356

■ 11.8937, 12.2169,
13.5356

197.4846,
205.8360, 225.6494

■ 6.7430, 6.8916,
7.6633

■ 28.9199, 29.8895,
32.9679

■ 3.3468, 3.3944,
3.7956

■ 41.5261, 43.0056,
47.3650

■ 1.3397, 1.3409,
1.5139

■ 57.3482, 59.4874,
65.4408

■ 0.2126, 0.1726,
0.2283

■ 76.7516, 79.7194,
87.6139

■ 0.0000, 0.0000,
0.0000

100.1015,
104.0858, 114.3027

127.7635,

132.9711, 145.9259

160.1027,
166.7597, 182.9019

■ 11.8937, 12.2169,
13.5356

■ 11.8937, 12.2169,
13.5356

■ 10.7853, 10.3745,
12.0114

■ 13.1368, 14.3041,
15.1796

■ 9.8058, 8.7663,
10.6033

■ 14.5179, 16.6430,
16.9453

■ 8.9505, 7.3833,
9.3085

■ 16.0418, 19.2423,
18.8358

■ 8.2141, 6.2152,
8.1237

■ 17.7126, 22.1098,
20.8538

■ 7.5908, 5.2510,
7.0455

■ 19.5340, 25.2529,
23.0016

7.0745, 4.4787,
6.0704

21.5099, 28.6787,
25.2818

6.6580, 3.8850,
5.1945

23.6439, 32.3942,
27.6967

6.3338, 3.4547,
4.4135

25.9395, 36.4058,
30.2487

6.0880, 3.1611,
3.7211

28.4002, 40.7202,
32.9400

Harmonies

Analogous

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



11.8146, 12.2169, 13.9127



11.8937, 12.2169, 13.5356



11.8968, 12.2169, 13.1037

Triad

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



11.8937, 12.2169, 13.5356



11.5423, 12.2169, 12.5088



11.4030, 12.2169, 13.8881

Complementary

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



11.8937, 12.2169, 13.5356



11.8361, 12.7501, 13.6423

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.



11.3314, 12.2169, 13.5026



11.8937, 12.2169, 13.5356



11.4113, 12.2169, 12.7097

Square

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



11.8937, 12.2169, 13.5356



11.6930, 12.2169, 12.5172



11.3344, 12.2169, 13.0714



11.5309, 12.2169, 14.1192

Rectangle

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



11.8937, 12.2169, 13.5356



11.8553, 12.2169, 12.8432



11.3344, 12.2169, 13.0714



11.3716, 12.2169, 13.7719

Sweetspot

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



11.8940, 12.2174, 13.5359



21.0199, 21.9800, 24.0430



11.7697, 12.1421, 14.0356



5.1765, 5.4158, 5.9219



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8940, 12.2174, 13.5359



20.1822, 20.5789, 22.9178



11.7996, 12.1797, 13.0388



2.9841, 3.0385, 3.3871



7.7845, 3.9268, 4.2635



40.1585, 20.3034, 19.9099

Inverse Universe

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



11.8940, 12.2174, 13.5359



20.1822, 20.5789, 22.9178



11.9329, 12.7888, 14.1519



2.9841, 3.0385, 3.3871



7.7845, 3.9268, 4.2635



40.1585, 20.3034, 19.9099

Previews

White Background



This preview shows how the XYZ color 11.8937, 12.2169, 13.5356 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 11.8937, 12.2169, 13.5356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

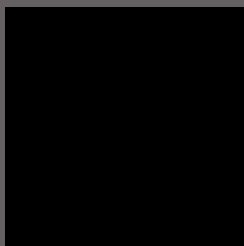
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8937, 12.2169, 13.5356

Background



This preview shows how black text looks on a background with the XYZ color 11.8937, 12.2169, 13.5356.

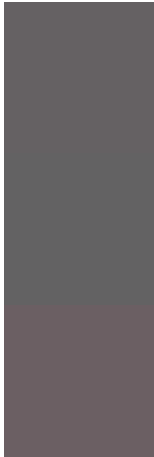


This preview shows how white text looks on a background with the XYZ color 11.8937, 12.2169,

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

11.8937, 12.2169, 13.5356

Protanopia

11.7654, 12.2889, 13.5563

Deuteranopia

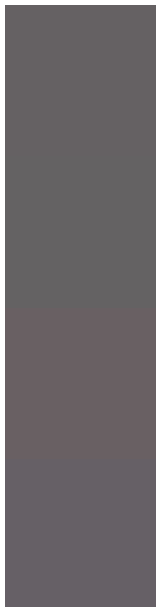
12.4077, 12.2111, 13.5074



Tritanopia

12.1611, 12.1900, 14.8087

Trichromacy



Original Color

11.8937, 12.2169, 13.5356

Protanomaly

11.8753, 12.3455, 13.5614

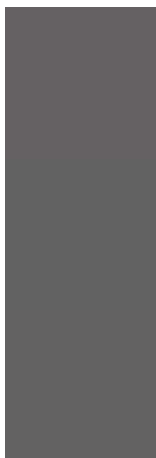
Deuteranomaly

12.2607, 12.2699, 13.5265

Tritanomaly

12.0606, 12.1498, 14.2799

Monochromacy



Original Color

11.8937, 12.2169, 13.5356

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7179, 12.2699, 13.3060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8937, 12.2169, 13.5356 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(101, 97, 99) looks like.

```
.text, #text, p{  
    color:rgb(101, 97, 99)  
}
```

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(101, 97, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 97, 99) }
```

Border

The CSS property to change the border of an element to XYZ 11.8937, 12.2169, 13.5356 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(101, 97, 99) }
```


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

```
.border{ border-color:rgb(101, 97, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 97, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 97, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 97, 99);  
box-shadow:4px 4px 4px 4px rgb(101, 97,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8937, 12.2169, 13.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 97, 99) }
```

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

```
.background{ background-color: rgb(101, 97,  
99) }
```

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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