

Converting Colors

XYZ(12.0234, 13.8382, 9.1097)

Have a look what the booklet for
XYZ(12.0234, 13.8382, 9.1097)
contains.

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Color

**XYZ(11.9641, 13.8179,
9.0577)**

Conversions

Conversions Part 1

Format	Color
Hex	656B4D
RGB	101, 107, 77
RGB Percent	40%, 42%, 30%
CMY	0.6039, 0.5804, 0.6980
CMYK	0.06, 0.00, 0.28, 0.58
HSL	72°, 16%, 36%
HSV	72°, 28%, 42%
XYZ	11.9641, 13.8179, 9.0577
YIQ	101.7860, 6.0540, -10.6020

Conversions

Conversions Part 2

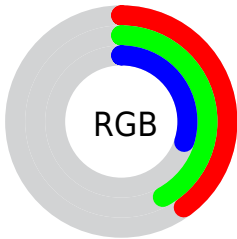
Format	Color
RYB	77, 107, 83
Decimal	6646605
CIELab	43.97, -7.91, 16.09
CIELCh	44, 17.931, 116.183
Yxy	13.8179, 0.3434, 0.3966
Android (android.graphics.Color)	4284836685 (0xFF656B4D)
YUV	101.7860, -12.2195, -0.6893
Hunter-Lab	37.1724, -7.6008, 11.5737

Details

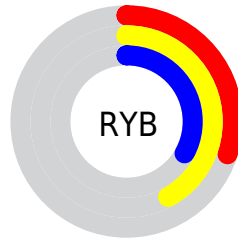
The XYZ color **11.9641, 13.8179, 9.0577** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8755, 8.2086, 15.0273**, and the grayscale version is **12.6035, 13.2599, 14.4400**.

A 20% lighter version of the original color is **28.9416, 32.6355, 24.5126**, and **3.3979, 4.1203, 1.9827** is the 20% darker color. If you saturate the color by 10%, you get **11.3805, 13.5576, 7.2179**, and if you desaturate by 10%, it is **12.6168, 14.1075, 11.2258**.

Distribution



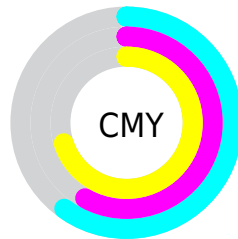
- Red (40%)
- Green (42%)
- Blue (30%)



- Red (30%)
- Yellow (42%)
- Blue (33%)



- Cyan (6%)
- Magenta (0%)
- Yellow (28%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9641, 13.8179, 9.0577 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 11.9641, 13.8179, 9.0577 by changing the saturation by 10% instead.

■ 11.9641, 13.8179,
9.0577

■ 11.9641, 13.8179,
9.0577

197.9422,
216.0950, 194.0416

■ 6.7913, 7.9941,
4.6815

■ 29.0471, 32.7656,
24.5868

■ 3.3771, 4.0912,
2.0062

■ 41.6880, 46.6582,
36.5769

■ 1.3562, 1.7247,
0.5591

■ 57.5490, 64.0094,
51.9420

■ 0.2247, 0.4396,
0.0000

■ 76.9954, 85.2033,
71.1006

■ 0.0000, 0.0000,
0.0000

■ 100.3925,
110.6244, 94.4713

128.1058,

140.6571, 122.4727

160.5006,
175.6859, 155.5233

■ 11.9641, 13.8179,
9.0577

■ 11.9641, 13.8179,
9.0577

■ 11.3805, 13.5576,
7.2179

■ 12.6168, 14.1075,
11.2258

■ 10.8620, 13.3236,
5.6896

■ 13.3405, 14.4257,
13.7362

■ 10.4054, 13.1150,
4.4556

■ 14.1381, 14.7743,
16.6033

■ 10.0071, 12.9305,
3.4969

■ 15.0123, 15.1542,
19.8402

■ 9.6631, 12.7684,
2.7924

■ 15.9655, 15.5665,
23.4594

■ 9.3687, 12.6268,
2.3175

■ 17.0000, 16.0121,
27.4730

■ 9.1087, 12.4997,
1.9929

■ 18.1180, 16.4917,
31.8923

■ 9.0586, 12.4753,
1.9305

■ 19.3216, 17.0064,
36.7284

■ 20.6129, 17.5570,
41.9916

Harmonies

Analogous

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



13.3163, 13.8179, 8.5089



11.9641, 13.8179, 9.0577



10.9912, 13.8179, 11.0961

Triad

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



11.9641, 13.8179, 9.0577



11.6704, 13.8179, 22.5303



16.0536, 13.8179, 15.5724

Complementary

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



11.9641, 13.8179, 9.0577



8.8755, 8.2086, 15.0273

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.



15.5375, 13.8179, 19.8354



11.9641, 13.8179, 9.0577



12.9524, 13.8179, 24.2844

Square

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



11.9641, 13.8179, 9.0577



10.8304, 13.8179, 18.7701



14.3767, 13.8179, 23.2191



15.7419, 13.8179, 11.8492

Rectangle

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



11.9641, 13.8179, 9.0577



10.6543, 13.8179, 13.2524



14.3767, 13.8179, 23.2191



15.9702, 13.8179, 16.9931

Sweetspot

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



11.9645, 13.8185, 9.0580



23.8612, 25.8188, 24.5052



10.4967, 9.8485, 8.3691



5.7353, 6.2317, 5.7899



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.9645, 13.8185, 9.0580



20.6865, 24.4141, 13.8773



10.4354, 13.0303, 8.9864



3.2768, 3.5545, 3.3308



10.9953, 15.1635, 2.3473



55.3117, 76.8964, 11.9272

Inverse Universe

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



8.8755, 8.2086, 15.0273



14.1197, 12.4843, 26.5732



10.3452, 8.9663, 15.0961



2.9998, 3.0516, 3.8658



3.5927, 1.4791, 17.0184



17.7163, 7.2327, 86.6885

Previews

White Background



This preview shows how the XYZ color 11.9641, 13.8179, 9.0577 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 11.9641, 13.8179, 9.0577 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

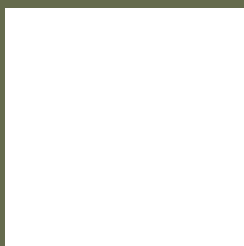
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9641, 13.8179, 9.0577

Background



This preview shows how black text looks on a background with the XYZ color 11.9641, 13.8179, 9.0577.



This preview shows how white text looks on a background with the XYZ color 11.9641, 13.8179,

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

11.9641, 13.8179, 9.0577

Protanopia

12.9369, 13.8672, 8.8323

Deuteranopia

13.9945, 13.8164, 9.3264



Tritanopia

13.5452, 13.8515, 16.9986

Trichromacy



Original Color

11.9641, 13.8179, 9.0577

Protanomaly

12.5404, 13.8131, 8.8427

Deuteranomaly

13.1648, 13.8280, 9.1829

Tritanomaly

12.9114, 13.7445, 13.7768

Monochromacy



Original Color

11.9641, 13.8179, 9.0577

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4056, 13.5157, 12.3109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9641, 13.8179, 9.0577 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, 107, 77)` looks like.

```
.text, #text, p{  
    color:rgb(101, 107, 77)  
}
```

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, 107, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 107, 77) }
```

Border

The CSS property to change the border of an element to XYZ 11.9641, 13.8179, 9.0577 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, 107, 77) }
```


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

```
.border{ border-color:rgb(101, 107, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 107, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 107, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 107, 77);  
box-shadow:4px 4px 4px 4px rgb(101, 107,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9641, 13.8179, 9.0577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 107, 77) }
```

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

```
.background{ background-color: rgb(101,  
107, 77) }
```

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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