

Converting Colors

XYZ(11.7031, 13.5633, 12.3676)

Have a look what the booklet for
XYZ(11.7031, 13.5633, 12.3676)
contains.

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Color

**XYZ(11.7477, 13.6329,
12.3682)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6B5D
RGB	93, 107, 93
RGB Percent	36%, 42%, 36%
CMY	0.6353, 0.5804, 0.6353
CMYK	0.13, 0.00, 0.13, 0.58
HSL	120°, 7%, 39%
HSV	120°, 13%, 42%
XYZ	11.7477, 13.6329, 12.3682
YIQ	101.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

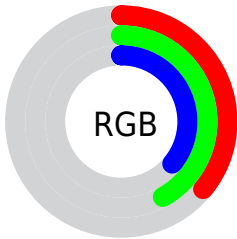
Format	Color
RYB	93, 107, 107
Decimal	6122333
CIELab	43.70, -8.27, 6.07
CIELCh	44, 10.263, 143.714
Yxy	13.6329, 0.3112, 0.3611
Android (android.graphics.Color)	4284312413 (0xFF5D6B5D)
YUV	101.2180, -4.0515, -7.2072
Hunter-Lab	36.9228, -7.8215, 5.9853

Details

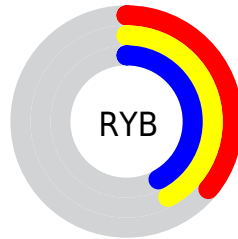
The XYZ color **11.7477, 13.6329, 12.3682** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6321, 12.0164, 15.5642**, and the grayscale version is **12.4372, 13.0849, 14.2494**.

A 20% lighter version of the original color is **28.5125, 32.2765, 30.7138**, and **3.3012, 4.0413, 3.2954** is the 20% darker color. If you saturate the color by 10%, you get **10.2983, 12.9371, 9.9972**, and if you desaturate by 10%, it is **13.4158, 14.4346, 15.0963**.

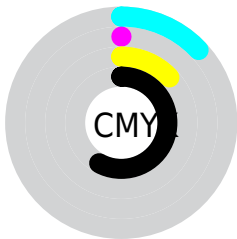
Distribution



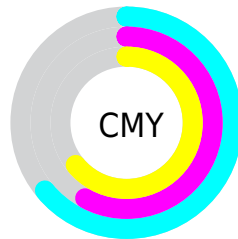
- Red (36%)
- Green (42%)
- Blue (36%)



- Red (36%)
- Yellow (42%)
- Blue (42%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (58%)



- Cyan (64%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7477, 13.6329, 12.3682 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 11.7477, 13.6329, 12.3682 by changing the saturation by 10% instead.

■ 11.7477, 13.6329,
12.3682

■ 11.7477, 13.6329,
12.3682

196.5320,
214.9350, 217.8916

■ 6.6431, 7.8658,
6.8694

■ 28.6556, 32.4362,
30.8383

■ 3.2842, 4.0092,
3.3033

■ 41.1896, 46.2412,
44.6467

■ 1.3058, 1.6787,
1.2515

■ 56.9308, 63.4943,
62.0620

■ 0.1876, 0.4098,
0.0216

■ 76.2446, 84.5799,
83.5028

■ 0.0000, 0.0000,
0.0000

99.4962, 109.8824,
109.3876

127.0511,

139.7861, 140.1350

159.2745,
174.6755, 176.1635

■ 11.7477, 13.6329,
12.3682

■ 11.7477, 13.6329,
12.3682

■ 10.2983, 12.9371,
9.9972

■ 13.4158, 14.4346,
15.0963

■ 9.0575, 12.3410,
7.9676

■ 15.3099, 15.3444,
18.1943

■ 8.0159, 11.8407,
6.2639

■ 17.4384, 16.3668,
21.6759

■ 7.1633, 11.4312,
4.8693

■ 19.8089, 17.5055,
25.5533

■ 6.4883, 11.1069,
3.7652

■ 22.4288, 18.7640,
29.8385

■ 5.9783, 10.8620,
2.9310

■ 25.3051, 20.1456,
34.5430

■ 5.6193, 10.6895,
2.3437

■ 28.4443, 21.6536,
39.6777

■ 5.3911, 10.5799,
1.9705

■ 31.8530, 23.2909,
45.2531

■ 5.2580, 10.5160,
1.7528

■ 35.5375, 25.0608,
51.2795

Harmonies

Analogous

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



12.3441, 13.6329, 11.1385



11.7477, 13.6329, 12.3682



11.4769, 13.6329, 14.3631

Triad

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



11.7477, 13.6329, 12.3682



12.7887, 13.6329, 19.7092



14.4296, 13.6329, 13.1289

Complementary

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



11.7477, 13.6329, 12.3682



12.6321, 12.0164, 15.5642

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.



14.5606, 13.6329, 15.3354



11.7477, 13.6329, 12.3682



13.5912, 13.6329, 19.2915

Square

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



11.7477, 13.6329, 12.3682



12.0616, 13.6329, 18.7183



14.2480, 13.6329, 17.6297



13.8970, 13.6329, 11.5448

Rectangle

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



11.7477, 13.6329, 12.3682



11.5091, 13.6329, 15.9217



14.2480, 13.6329, 17.6297



14.5229, 13.6329, 13.8159

Sweetspot

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



11.7481, 13.6335, 12.3685



23.6964, 25.6895, 26.4987



13.2975, 14.4323, 12.4409



5.6890, 6.1956, 6.3377



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.



11.7481, 13.6335, 12.3685



20.1189, 23.9711, 20.6471



12.0726, 13.7633, 14.0773



3.0640, 3.4448, 3.3209



6.3963, 12.7926, 2.1322



32.5920, 65.1839, 10.8642

Inverse Universe

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



12.6321, 12.0164, 15.5642



22.0655, 20.4102, 27.6840



12.2785, 11.8749, 13.7020



3.2176, 3.1639, 3.8760



10.6048, 5.0941, 17.3455



54.0362, 25.9564, 88.3823

Previews

White Background



This preview shows how the XYZ color 11.7477, 13.6329, 12.3682 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 11.7477, 13.6329, 12.3682 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

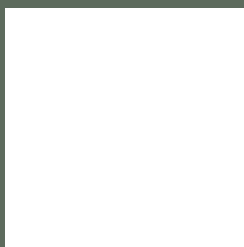
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7477, 13.6329, 12.3682

Background



This preview shows how black text looks on a background with the XYZ color 11.7477, 13.6329, 12.3682.

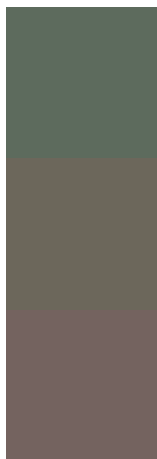


This preview shows how white text looks on a background with the XYZ color 11.7477, 13.6329,

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

11.7477, 13.6329, 12.3682

Protanopia

12.9229, 13.6440, 11.8500

Deuteranopia

13.7299, 13.4629, 12.7014



Tritanopia

12.6988, 13.5573, 17.2768

Trichromacy



Original Color

11.7477, 13.6329, 12.3682

Protanomaly

12.4756, 13.5569, 12.0844

Deuteranomaly

12.9561, 13.4990, 12.5124

Tritanomaly

12.3207, 13.5560, 15.3318

Monochromacy



Original Color

11.7477, 13.6329, 12.3682

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0919, 13.1790, 13.4618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7477, 13.6329, 12.3682 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(93, 107, 93) looks like.

```
.text, #text, p{  
    color:rgb(93, 107, 93)  
}
```

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(93, 107, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 107, 93) }
```

Border

The CSS property to change the border of an element to XYZ 11.7477, 13.6329, 12.3682 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(93, 107, 93) }
```


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

```
.border{ border-color:rgb(93, 107, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 107, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 107, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 107, 93);  
box-shadow:4px 4px 4px 4px rgb(93, 107,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7477, 13.6329, 12.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 107, 93) }
```

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

```
.background{ background-color: rgb(93, 107,  
93) }
```

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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