

Converting Colors

XYZ(11.7641, 18.1902, 16.1016)

Have a look what the booklet for
XYZ(11.7641, 18.1902, 16.1016)
contains.

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Color

**XYZ(11.7613, 18.2257,
15.9947)**

Conversions

Conversions Part 1

Format	Color
Hex	288568
RGB	40, 133, 104
RGB Percent	16%, 52%, 41%
CMY	0.8431, 0.4784, 0.5922
CMYK	0.70, 0.00, 0.22, 0.48
HSL	161°, 54%, 34%
HSV	161°, 70%, 52%
XYZ	11.7613, 18.2257, 15.9947
YIQ	101.8870, -46.1190, -28.7350

Conversions

Conversions Part 2

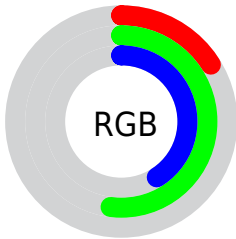
Format	Color
RYB	40, 95, 133
Decimal	2655592
CIELab	49.77, -34.33, 7.87
CIELCh	50, 35.217, 167.094
Yxy	18.2257, 0.2558, 0.3964
Android (android.graphics.Color)	4280845672 (0xFF288568)
YUV	101.8870, 1.0417, -54.2749
Hunter-Lab	42.6916, -25.5344, 7.6707

Details

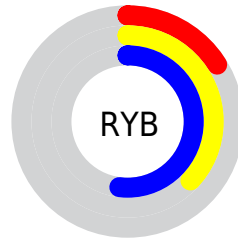
The XYZ color **11.7613, 18.2257, 15.9947** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.5065, 6.9342, 6.3629**, and the grayscale version is **12.6063, 13.2628, 14.4432**.

A 20% lighter version of the original color is **28.7237, 40.5039, 37.3145**, and **3.7558, 6.3300, 4.8948** is the 20% darker color. If you saturate the color by 10%, you get **11.1252, 17.9220, 14.8924**, and if you desaturate by 10%, it is **12.5868, 18.6268, 17.1608**.

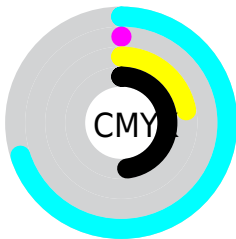
Distribution



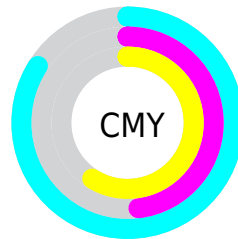
- Red (16%)
- Green (52%)
- Blue (41%)



- Red (16%)
- Yellow (37%)
- Blue (52%)



- Cyan (70%)
- Magenta (0%)
- Yellow (22%)
- Black (48%)



- Cyan (84%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7613, 18.2257, 15.9947 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 11.7613, 18.2257, 15.9947 by changing the saturation by 10% instead.

■ 11.7613, 18.2257,
15.9947

■ 11.7613, 18.2257,
15.9947

196.6209,
242.1401, 241.1551

■ 6.6524, 11.1121,
9.3661

■ 28.6803, 40.4215,
37.3557

■ 3.2901, 6.1423,
4.8807

■ 41.2210, 56.2726,
52.9251

■ 1.3089, 2.9318,
2.1199

■ 56.9698, 75.8050,
72.3119

■ 0.1899, 1.0962,
0.6276

■ 76.2919, 99.4031,
95.9346

■ 0.0000, 0.0000,
0.0000

■ 99.5527, 127.4512,
124.2117

■ 127.1176,

160.3338, 157.5618

159.3519,
198.4354, 196.4034

■ 11.7613, 18.2257,
15.9947

■ 11.7613, 18.2257,
15.9947

■ 11.1252, 17.9220,
14.8924

■ 12.5868, 18.6268,
17.1608

■ 10.6576, 17.7035,
13.8509

■ 13.6167, 19.1315,
18.3910

■ 10.3017, 17.5414,
12.8671

■ 14.8663, 19.7483,
19.6870

■ 10.2990, 17.5402,
12.8598

■ 16.3489, 20.4840,
21.0502

■ 18.0768, 21.3449,
22.4820

■ 20.0614, 22.3368,
23.9835

■ 22.3133, 23.4652,
25.5559

■ 24.8425, 24.7353,
27.2005

■ 27.6585, 26.1519,
28.9181

Harmonies

Analogous

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



13.0114, 18.2257, 9.7308



11.7613, 18.2257, 15.9947



11.8559, 18.2257, 25.7906

Triad

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



11.7613, 18.2257, 15.9947



19.2908, 18.2257, 43.2829



22.1005, 18.2257, 9.1489

Complementary

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



11.7613, 18.2257, 15.9947



11.5065, 6.9342, 6.3629

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.



24.2556, 18.2257, 14.8910



11.7613, 18.2257, 15.9947



22.4952, 18.2257, 35.2816

Square

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



11.7613, 18.2257, 15.9947



15.9206, 18.2257, 43.8736



24.4087, 18.2257, 24.2676



18.8054, 18.2257, 6.7275

Rectangle

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



11.7613, 18.2257, 15.9947



12.6667, 18.2257, 33.2153



24.4087, 18.2257, 24.2676



22.9998, 18.2257, 10.6516

Sweetspot

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



11.7618, 18.2264, 15.9951



31.8602, 37.9682, 39.8525



11.2574, 18.2108, 4.9294



7.0114, 8.4709, 8.8435



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.7618, 18.2264, 15.9951



19.3871, 31.8420, 25.5388



11.3489, 14.6245, 24.4159



4.7414, 5.2548, 5.6496



9.8133, 16.7082, 12.2682



0.0373, 0.0592, 0.0599

Inverse Universe

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



11.5065, 6.9342, 6.3629



18.9395, 10.2316, 7.3089



11.5221, 8.0714, 2.9584



4.7280, 4.7109, 5.1799



9.6061, 4.9068, 2.4982



0.0363, 0.0182, 0.0244

Previews

White Background



This preview shows how the XYZ color 11.7613, 18.2257, 15.9947 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 11.7613, 18.2257, 15.9947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

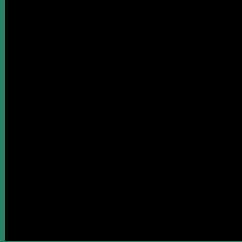
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.7613, 18.2257, 15.9947

Background



This preview shows how black text looks on a background with the XYZ color 11.7613, 18.2257, 15.9947.



This preview shows how white text looks on a background with the XYZ color 11.7613, 18.2257,

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

11.7613, 18.2257, 15.9947

Protanopia

16.9301, 17.9271, 13.6343

Deuteranopia

18.2398, 18.0229, 16.7048



Tritanopia

14.0103, 18.1432, 27.1897

Trichromacy



Original Color

11.7613, 18.2257, 15.9947

Protanomaly

13.9512, 17.4465, 14.4366

Deuteranomaly

14.6368, 17.3889, 16.4949

Tritanomaly

13.0639, 18.1497, 22.5534

Monochromacy



Original Color

11.7613, 18.2257, 15.9947

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.5778, 14.4518, 15.0112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7613, 18.2257, 15.9947 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(40, 133, 104)` looks like.

```
.text, #text, p{  
    color:rgb(40, 133, 104)  
}
```

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(40, 133, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 133, 104) }
```

Border

The CSS property to change the border of an element to XYZ 11.7613, 18.2257, 15.9947 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(40, 133, 104) }
```


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

```
.border{ border-color:rgb(40, 133, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 133, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 133, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 133, 104);  
box-shadow:4px 4px 4px 4px rgb(40, 133,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7613, 18.2257, 15.9947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 133, 104) }
```

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

```
.background{ background-color: rgb(40, 133,  
104) }
```

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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