

Converting Colors

XYZ(11.7040, 15.2116, 18.0905)

Have a look what the booklet for
XYZ(11.7040, 15.2116, 18.0905)
contains.

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Color

**XYZ(11.6453, 15.0957,
18.2196)**

Conversions

Conversions Part 1

Format	Color
Hex	427572
RGB	66, 117, 114
RGB Percent	26%, 46%, 45%
CMY	0.7412, 0.5412, 0.5529
CMYK	0.44, 0.00, 0.03, 0.54
HSL	176°, 28%, 36%
HSV	176°, 44%, 46%
XYZ	11.6453, 15.0957, 18.2196
YIQ	101.4090, -29.4330, -11.7450

Conversions

Conversions Part 2

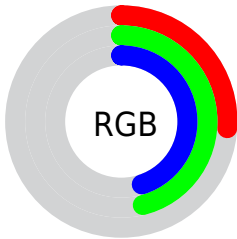
Format	Color
RYB	66, 92, 117
Decimal	4355442
CIELab	45.76, -17.89, -3.72
CIELCh	46, 18.274, 191.743
Yxy	15.0957, 0.2590, 0.3358
Android (android.graphics.Color)	4282545522 (0xFF427572)
YUV	101.4090, 6.2074, -31.0537
Hunter-Lab	38.8532, -14.4920, -0.6059

Details

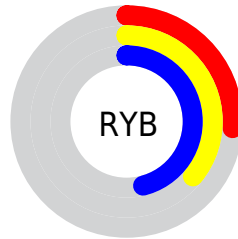
The XYZ color **11.6453, 15.0957, 18.2196** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.3590, 8.1084, 6.6498**, and the grayscale version is **12.4657, 13.1149, 14.2821**.

A 20% lighter version of the original color is **28.4070, 34.9110, 41.3177**, and **3.2021, 4.6058, 5.8745** is the 20% darker color. If you saturate the color by 10%, you get **10.8974, 14.7150, 17.9811**, and if you desaturate by 10%, it is **12.5557, 15.5609, 18.4679**.

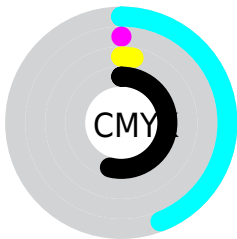
Distribution



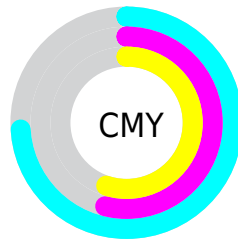
- Red (26%)
- Green (46%)
- Blue (45%)



- Red (26%)
- Yellow (36%)
- Blue (46%)



- Cyan (44%)
- Magenta (0%)
- Yellow (3%)
- Black (54%)



- Cyan (74%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6453, 15.0957, 18.2196 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 11.6453, 15.0957, 18.2196 by changing the saturation by 10% instead.

■ 11.6453, 15.0957,
18.2196

■ 11.6453, 15.0957,
18.2196

195.8610,
223.9447, 254.3835

■ 6.5731, 8.8866,
10.9367

■ 28.4699, 35.0210,
41.2301

■ 3.2405, 4.6673,
5.9106

■ 40.9531, 49.5059,
57.7949

■ 1.2822, 2.0534,
2.7229

■ 56.6372, 67.5183,
78.2906

■ 0.1698, 0.6382,
0.9549

■ 75.8878, 89.4424,
103.1359

■ 0.0000, 0.0000,
0.0000

■ 99.0701, 115.6627,
132.7493

126.5495,

146.5636, 167.5493

158.6913,
182.5295, 207.9545

■ 11.6453, 15.0957,
18.2196

■ 11.6453, 15.0957,
18.2196

■ 10.8974, 14.7150,
17.9811

■ 12.5557, 15.5609,
18.4679

■ 10.3007, 14.4119,
17.7509

■ 13.6364, 16.1134,
18.7254

■ 9.8447, 14.1812,
17.5288

■ 14.8961, 16.7582,
18.9928

■ 9.5169, 14.0167,
17.3142

■ 16.3427, 17.4993,
19.2705

■ 9.3004, 13.9094,
17.1064

■ 17.9836, 18.3405,
19.5589

■ 9.1824, 13.8514,
16.9749

■ 19.8258, 19.2855,
19.8582

■ 21.8758, 20.3375,
20.1688

■ 24.1400, 21.5000,
20.4910

■ 26.6245, 22.7760,
20.8251

Harmonies

Analogous

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



11.7211, 15.0957, 13.9257



11.6453, 15.0957, 18.2196



12.2544, 15.0957, 22.7385

Triad

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



11.6453, 15.0957, 18.2196



16.4064, 15.0957, 23.5932



15.2937, 15.0957, 9.6393

Complementary

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



11.6453, 15.0957, 18.2196



10.3590, 8.1084, 6.6498

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.



16.6674, 15.0957, 11.4221



11.6453, 15.0957, 18.2196



17.3407, 15.0957, 19.2327

Square

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



11.6453, 15.0957, 18.2196



14.9578, 15.0957, 26.1912



17.4395, 15.0957, 14.7740



13.7551, 15.0957, 9.4660

Rectangle

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



11.6453, 15.0957, 18.2196



12.9942, 15.0957, 25.0734



17.4395, 15.0957, 14.7740



15.7928, 15.0957, 10.0531

Sweetspot

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



11.6457, 15.0963, 18.2200



26.7350, 30.0394, 34.0217



9.8278, 14.3964, 7.4154



6.0472, 6.8555, 7.8019



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.6457, 15.0963, 18.2200



19.5429, 26.3644, 32.2081



9.5413, 10.6095, 18.3752



3.7745, 4.1517, 4.6462



10.1146, 15.2599, 18.6916



49.1781, 74.3185, 90.4978

Inverse Universe

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



10.3590, 8.1084, 6.6498



16.9279, 12.1472, 8.6831



11.8179, 11.1716, 6.6880



3.6919, 3.7040, 3.9042



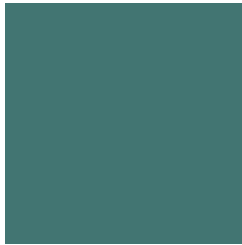
8.1223, 4.1826, 0.5861



39.4727, 20.3392, 2.2864

Previews

White Background



This preview shows how the XYZ color 11.6453, 15.0957, 18.2196 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 11.6453, 15.0957, 18.2196 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

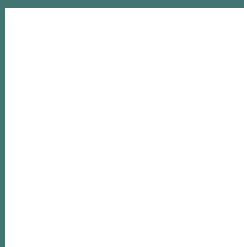
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6453, 15.0957, 18.2196

Background



This preview shows how black text looks on a background with the XYZ color 11.6453, 15.0957, 18.2196.



This preview shows how white text looks on a background with the XYZ color 11.6453, 15.0957,

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

11.6453, 15.0957, 18.2196

Protanopia

14.3949, 14.9131, 16.3072

Deuteranopia

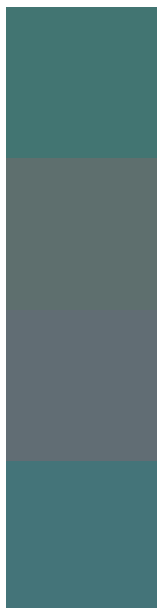
15.2019, 14.9649, 18.9169



Tritanopia

12.2866, 15.0073, 21.6512

Trichromacy



Original Color

11.6453, 15.0957, 18.2196

Protanomaly

13.1150, 14.8744, 16.9317

Deuteranomaly

13.5508, 14.7396, 18.6538

Tritanomaly

12.0805, 15.1002, 20.3671

Monochromacy



Original Color

11.6453, 15.0957, 18.2196

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.8837, 13.6307, 15.6403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6453, 15.0957, 18.2196 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(66, 117, 114)` looks like.

```
.text, #text, p{  
    color:rgb(66, 117, 114)  
}
```

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(66, 117, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 117, 114) }
```

Border

The CSS property to change the border of an element to XYZ 11.6453, 15.0957, 18.2196 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(66, 117, 114) }
```


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

```
.border{ border-color:rgb(66, 117, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 117, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 117, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 117, 114);  
box-shadow:4px 4px 4px 4px rgb(66, 117,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6453, 15.0957, 18.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 117, 114) }
```

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

```
.background{ background-color: rgb(66, 117,  
114) }
```

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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