

Converting Colors

XYZ(11.7475, 15.1920, 18.8946)

Have a look what the booklet for
XYZ(11.7475, 15.1920, 18.8946)
contains.

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Color

**XYZ(11.6936, 15.1074,
18.8227)**

Conversions

Conversions Part 1

Format	Color
Hex	417574
RGB	65, 117, 116
RGB Percent	25%, 46%, 45%
CMY	0.7451, 0.5412, 0.5451
CMYK	0.44, 0.00, 0.01, 0.54
HSL	179°, 29%, 36%
HSV	179°, 44%, 46%
XYZ	11.6936, 15.1074, 18.8227
YIQ	101.3380, -30.6710, -11.3350

Conversions

Conversions Part 2

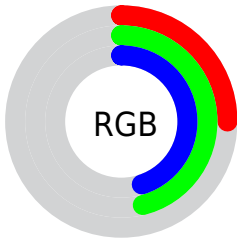
Format	Color
R_{YB}	65, 91, 117
Decimal	4289908
CIE _{Lab}	45.78, -17.62, -4.89
CIE _{LCh}	46, 18.285, 195.526
Yxy	15.1074, 0.2563, 0.3311
Android (android.graphics.Color)	4282479988 (0xFF417574)
YUV	101.3380, 7.2284, -31.8684
Hunter-Lab	38.8682, -14.3173, -1.5046

Details

The XYZ color **11.6936, 15.1074, 18.8227** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2102, 7.9561, 6.1522**, and the grayscale version is **12.4449, 13.0930, 14.2583**.

A 20% lighter version of the original color is **28.4583, 34.9161, 42.2854**, and **3.2357, 4.6161, 6.1893** is the 20% darker color. If you saturate the color by 10%, you get **10.9850, 14.7440, 18.7215**, and if you desaturate by 10%, it is **12.5636, 15.5548, 18.9323**.

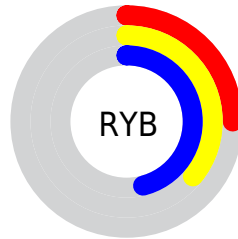
Distribution



Red (25%)

Green (46%)

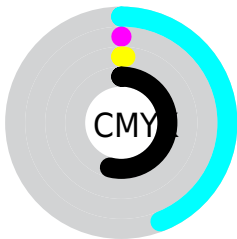
Blue (45%)



Red (25%)

Yellow (36%)

Blue (46%)

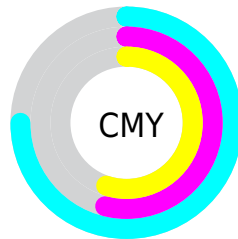


Cyan (44%)

Magenta (0%)

Yellow (1%)

Black (54%)



Cyan (75%)

Magenta (54%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6936, 15.1074, 18.8227 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 11.6936, 15.1074, 18.8227 by changing the saturation by 10% instead.

■ 11.6936, 15.1074,
18.8227

■ 11.6936, 15.1074,
18.8227

196.1778,
224.0154, 257.8582

■ 6.6061, 8.8948,
11.3667

■ 28.5575, 35.0415,
42.2670

■ 3.2611, 4.6726,
6.1968

■ 41.0647, 49.5317,
59.0924

■ 1.2933, 2.0565,
2.8944

■ 56.7758, 67.5500,
79.8780

■ 0.1782, 0.6400,
1.0410

■ 76.0562, 89.4807,
105.0424

■ 0.0000, 0.0000,
0.0000

■ 99.2712, 115.7082,
135.0040

126.7863,

146.6169, 170.1815

158.9667,
182.5911, 210.9934

■ 11.6936, 15.1074,
18.8227

■ 11.6936, 15.1074,
18.8227

■ 10.9850, 14.7440,
18.7215

■ 12.5636, 15.5548,
18.9323

■ 10.4264, 14.4575,
18.6272

■ 13.6029, 16.0890,
19.0496

■ 10.0073, 14.2430,
18.5395

■ 14.8203, 16.7151,
19.1754

■ 9.7150, 14.0938,
18.4580

■ 16.2236, 17.4370,
19.3101

■ 9.5302, 14.0000,
18.3816

■ 17.8204, 18.2586,
19.4541

■ 9.4417, 13.9552,
18.3400

■ 19.6175, 19.1835,
19.6075

■ 21.6218, 20.2152,
19.7708

■ 23.8394, 21.3569,
19.9443

■ 26.2765, 22.6117,
20.1282

Harmonies

Analogous

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



11.6813, 15.1074, 14.4217



11.6936, 15.1074, 18.8227



12.3850, 15.1074, 23.2648

Triad

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



11.6936, 15.1074, 18.8227



16.5749, 15.1074, 23.1264



15.1112, 15.1074, 9.5349

Complementary

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



11.6936, 15.1074, 18.8227



10.2102, 7.9561, 6.1522

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.



16.5326, 15.1074, 11.1149



11.6936, 15.1074, 18.8227



17.4177, 15.1074, 18.6588

Square

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



11.6936, 15.1074, 18.8227



15.1655, 15.1074, 26.0357



17.4018, 15.1074, 14.2845



13.5818, 15.1074, 9.5630

Rectangle

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



11.6936, 15.1074, 18.8227



13.1683, 15.1074, 25.4266



17.4018, 15.1074, 14.2845



15.6197, 15.1074, 9.8813

Sweetspot

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



11.6940, 15.1080, 18.8231



26.7996, 30.0652, 34.3620



9.6123, 14.2888, 7.2525



6.0640, 6.8623, 7.8907



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.



11.6940, 15.1080, 18.8231



19.6786, 26.4054, 33.5246



9.2822, 10.1905, 18.3082



3.7804, 4.1541, 4.6776



10.4015, 15.3746, 20.2021



50.6491, 74.9069, 98.2443

Inverse Universe

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



10.2102, 7.9561, 6.1522



16.6667, 11.8827, 7.8009



11.8854, 11.3532, 6.5661



3.6865, 3.7019, 3.8761



8.0957, 4.1720, 0.4463



39.4149, 20.3161, 1.9822

Previews

White Background



This preview shows how the XYZ color 11.6936, 15.1074, 18.8227 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 11.6936, 15.1074, 18.8227 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 11.6936, 15.1074, 18.8227

Background



This preview shows how black text looks on a background with the XYZ color 11.6936, 15.1074, 18.8227.



This preview shows how white text looks on a background with the XYZ color 11.6936, 15.1074,

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

11.6936, 15.1074, 18.8227

Protanopia

14.3788, 14.8924, 16.8685

Deuteranopia

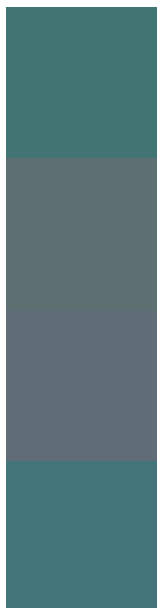
15.3208, 15.0125, 19.5430



Tritanopia

12.3310, 15.2004, 21.6861

Trichromacy



Original Color

11.6936, 15.1074, 18.8227

Protanomaly

13.1233, 14.8659, 17.5070

Deuteranomaly

13.5625, 14.7321, 19.2683

Tritanomaly

12.0730, 15.0892, 20.6885

Monochromacy



Original Color

11.6936, 15.1074, 18.8227

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 11.6936, 15.1074, 18.8227 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(65, 117, 116)` looks like.

```
.text, #text, p{  
    color:rgb(65, 117, 116)  
}
```

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(65, 117, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 117, 116) }
```

Border

The CSS property to change the border of an element to XYZ 11.6936, 15.1074, 18.8227 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(65, 117, 116) }
```


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

```
.border{ border-color:rgb(65, 117, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 117, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 117, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 117, 116);  
box-shadow:4px 4px 4px 4px rgb(65, 117,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6936, 15.1074, 18.8227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 117, 116) }
```

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

```
.background{ background-color: rgb(65, 117,  
116) }
```

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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