

Converting Colors

XYZ(11.3080, 13.3336, 19.3849)

Have a look what the booklet for
XYZ(11.3080, 13.3336, 19.3849)
contains.

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Color

**XYZ(11.3648, 13.4348,
19.4469)**

Conversions

Conversions Part 1

Format	Color
Hex	486C77
RGB	72, 108, 119
RGB Percent	28%, 42%, 47%
CMY	0.7176, 0.5765, 0.5333
CMYK	0.39, 0.09, 0.00, 0.53
HSL	194°, 25%, 37%
HSV	194°, 39%, 47%
XYZ	11.3648, 13.4348, 19.4469
YIQ	98.4900, -24.9870, -4.2110

Conversions

Conversions Part 2

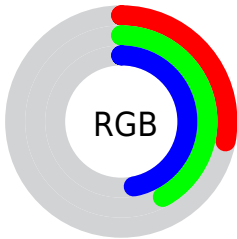
Format	Color
R_{YB}	72, 92, 119
Decimal	4746359
CIE _{Lab}	43.41, -9.76, -10.20
CIE _{LCh}	43, 14.114, 226.269
Yxy	13.4348, 0.2569, 0.3036
Android (android.graphics.Color)	4282936439 (0xFF486C77)
YUV	98.4900, 10.1114, -23.2317
Hunter-Lab	36.6535, -8.7979, -5.7995

Details

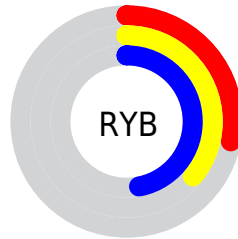
The XYZ color **11.3648, 13.4348, 19.4469** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8708, 10.5763, 7.5469**, and the grayscale version is **11.7120, 12.3219, 13.4186**.

A 20% lighter version of the original color is **27.9172, 31.9475, 43.2232**, and **3.1594, 3.9746, 6.5619** is the 20% darker color. If you saturate the color by 10%, you get **10.2732, 12.4433, 19.3133**, and if you desaturate by 10%, it is **12.6384, 14.5347, 19.5923**.

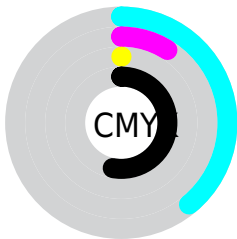
Distribution



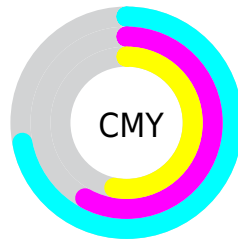
- Red (28%)
- Green (42%)
- Blue (47%)



- Red (28%)
- Yellow (36%)
- Blue (47%)



- Cyan (39%)
- Magenta (9%)
- Yellow (0%)
- Black (53%)



- Cyan (72%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3648, 13.4348, 19.4469 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 11.3648, 13.4348, 19.4469 by changing the saturation by 10% instead.

■ 11.3648, 13.4348,
19.4469

■ 11.3648, 13.4348,
19.4469

194.0105,
213.6858, 261.4094

■ 6.3819, 7.7286,
11.8136

■ 27.9598, 32.0827,
43.3346

■ 3.1215, 3.9218,
6.4959

■ 40.3026, 45.7933,
60.4261

■ 1.2183, 1.6299,
3.0753

■ 55.8294, 62.9408,
81.5073

■ 0.1208, 0.3776,
1.1332

■ 74.9055, 83.9096,
106.9969

■ 0.0000, 0.0000,
0.0000

■ 97.8963, 109.0841,
137.3134

125.1672,

138.8487, 172.8752

157.0835,
173.5878, 214.1011

■ 11.3648, 13.4348,
19.4469

■ 11.3648, 13.4348,
19.4469

■ 10.2732, 12.4433,
19.3133

■ 12.6384, 14.5347,
19.5923

■ 9.3523, 11.5533,
19.1900

■ 14.1019, 15.7462,
19.7490

■ 8.5914, 10.7595,
19.0769

■ 15.7645, 17.0745,
19.9178

■ 7.9782, 10.0553,
18.9733

■ 17.6340, 18.5239,
20.0990

■ 7.4983, 9.4332,
18.8785

■ 19.7182, 20.0983,
20.2930

■ 7.1036, 8.8684,
18.7903

■ 22.0242, 21.8016,
20.5003

■ 7.0840, 8.8404,
18.7859

■ 24.5589, 23.6374,
20.7210

■ 27.3288, 25.6093,
20.9556

■ 30.3402, 27.7206,
21.2045

Harmonies

Analogous

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



10.8480, 13.4348, 16.3884



11.3648, 13.4348, 19.4469



12.2748, 13.4348, 21.3233

Triad

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



11.3648, 13.4348, 19.4469



14.9321, 13.4348, 16.1109



12.1870, 13.4348, 9.5576

Complementary

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



11.3648, 13.4348, 19.4469



11.8708, 10.5763, 7.5469

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.



13.2771, 13.4348, 9.5055



11.3648, 13.4348, 19.4469



14.9052, 13.4348, 12.9988

Square

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



11.3648, 13.4348, 19.4469



14.3566, 13.4348, 19.2188



14.2852, 13.4348, 10.6795



11.3037, 13.4348, 10.8339

Rectangle

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



11.3648, 13.4348, 19.4469



13.0013, 13.4348, 21.4994



14.2852, 13.4348, 10.6795



12.5402, 13.4348, 9.4034

Sweetspot

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



11.3652, 13.4353, 19.4472



27.3561, 29.8855, 35.5797



10.8296, 15.1956, 10.5394



6.4121, 7.0261, 8.4249



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.3652, 13.4353, 19.4472



18.6329, 22.5028, 34.6145



9.2144, 9.1336, 18.7303



3.7142, 4.0170, 4.6698



7.5189, 9.3774, 19.9563



35.9625, 44.3416, 97.0236

Inverse Universe

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



12.6322, 9.6396, 15.3829



21.2936, 14.9723, 25.9805



13.9799, 14.7946, 8.2499



3.7917, 3.7440, 4.4301



10.0923, 4.9706, 10.9602



48.8390, 24.0857, 51.6087

Previews

White Background



This preview shows how the XYZ color 11.3648, 13.4348, 19.4469 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 11.3648, 13.4348, 19.4469 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 11.3648, 13.4348, 19.4469

Background



This preview shows how black text looks on a background with the XYZ color 11.3648, 13.4348, 19.4469.



This preview shows how white text looks on a background with the XYZ color 11.3648, 13.4348,

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

11.3648, 13.4348, 19.4469

Protanopia

13.0037, 13.2545, 18.0927

Deuteranopia

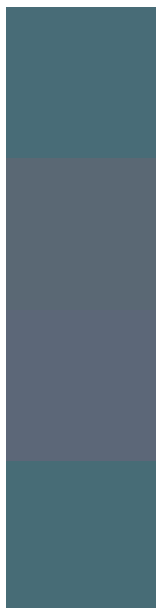
13.6019, 13.3784, 19.9545



Tritanopia

11.1720, 13.3491, 18.8174

Trichromacy



Original Color

11.3648, 13.4348, 19.4469

Protanomaly

12.3191, 13.3352, 18.4477

Deuteranomaly

12.6540, 13.3319, 19.6757

Tritanomaly

11.2311, 13.3727, 19.1288

Monochromacy



Original Color

11.3648, 13.4348, 19.4469

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4727, 12.6672, 15.4760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3648, 13.4348, 19.4469 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(72, 108, 119)` looks like.

```
.text, #text, p{  
    color:rgb(72, 108, 119)  
}
```

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(72, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 108, 119) }
```

Border

The CSS property to change the border of an element to XYZ 11.3648, 13.4348, 19.4469 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(72, 108, 119) }
```


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

```
.border{ border-color:rgb(72, 108, 119) }
```

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

Here you see how a box with a 4 pixel rgb(72, 108, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(72, 108,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3648, 13.4348, 19.4469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 108, 119) }
```

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

```
.background{ background-color: rgb(72, 108,  
119) }
```

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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