

Converting Colors

XYZ(13.6006, 19.6372, 15.1674)

Have a look what the booklet for
XYZ(13.6006, 19.6372, 15.1674)
contains.

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Color

**XYZ(13.5628, 19.5876,
15.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	478764
RGB	71, 135, 100
RGB Percent	28%, 53%, 39%
CMY	0.7216, 0.4706, 0.6078
CMYK	0.47, 0.00, 0.26, 0.47
HSL	147°, 31%, 40%
HSV	147°, 47%, 53%
XYZ	13.5628, 19.5876, 15.1226
YIQ	111.8740, -26.9090, -24.4530

Conversions

Conversions Part 2

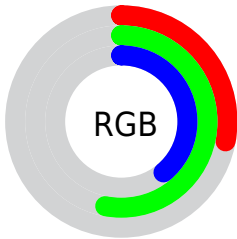
Format	Color
R_{YB}	71, 115, 135
Decimal	4687716
CIE _{Lab}	51.37, -29.10, 12.58
CIE _{LCh}	51, 31.699, 156.624
Yxy	19.5876, 0.2810, 0.4058
Android (android.graphics.Color)	4282877796 (0xFF478764)
YUV	111.8740, -5.8539, -35.8465
Hunter-Lab	44.2579, -22.7501, 10.7215

Details

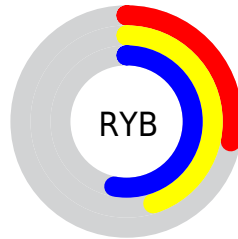
The XYZ color **13.5628, 19.5876, 15.1226** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8471, 10.6985, 14.9190**, and the grayscale version is **15.3869, 16.1882, 17.6290**.

A 20% lighter version of the original color is **31.9519, 42.8405, 35.8632**, and **4.1048, 6.8642, 4.4767** is the 20% darker color. If you saturate the color by 10%, you get **12.3393, 18.9968, 13.2839**, and if you desaturate by 10%, it is **15.0397, 20.3063, 17.1431**.

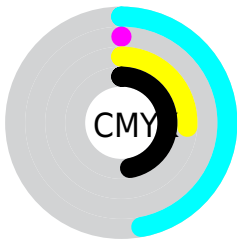
Distribution



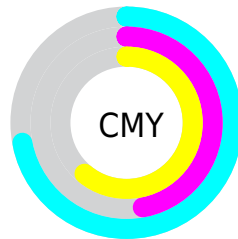
- Red (28%)
- Green (53%)
- Blue (39%)



- Red (28%)
- Yellow (45%)
- Blue (53%)



- Cyan (47%)
- Magenta (0%)
- Yellow (26%)
- Black (47%)



- Cyan (72%)
- Magenta (47%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5628, 19.5876, 15.1226 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 13.5628, 19.5876, 15.1226 by changing the saturation by 10% instead.

■ 13.5628, 19.5876,
15.1226

■ 13.5628, 19.5876,
15.1226

208.0593,
249.6737, 235.7734

■ 7.8969, 12.0956,
8.7579

■ 31.9040, 42.7247,
35.8135

■ 4.0803, 6.8088,
4.4890

■ 45.3101, 59.1386,
50.9767

■ 1.7477, 3.3428,
1.8972

■ 62.0268, 79.2952,
69.9098

■ 0.4858, 1.3132,
0.4910

■ 82.4197, 103.5790,
93.0315

■ 0.0000, 0.1514,
0.0000

■ 106.8540,
132.3744, 120.7601

■ 0.0000, 0.0000,
0.0000

135.6951,

166.0657, 153.5142

169.3084,
205.0373, 191.7125

■ 13.5628, 19.5876,
15.1226

■ 13.5628, 19.5876,
15.1226

■ 12.3393, 18.9968,
13.2839

■ 15.0397, 20.3063,
17.1431

■ 11.3521, 18.5237,
11.6205

■ 16.7828, 21.1579,
19.3490

■ 10.5843, 18.1602,
10.1274


■ 18.8055, 22.1497,
21.7456


■ 10.0158, 17.8959,
8.7986


■ 21.1203, 23.2880,
24.3373


■ 9.6077, 17.7110,
7.6274


■ 23.7384, 24.5787,
27.1287

 9.5112, 17.6674,
7.3479

 26.6709, 26.0272,
30.1240

 29.9280, 27.6387,
33.3274

 33.5194, 29.4183,
36.7428

 37.4547, 31.3707,
40.3741

Harmonies

Analogous

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



15.2118, 19.5876, 10.1588



13.5628, 19.5876, 15.1226



13.1940, 19.5876, 23.4061

Triad

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



13.5628, 19.5876, 15.1226



19.3297, 19.5876, 43.7998



23.9520, 19.5876, 12.5144

Complementary

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



13.5628, 19.5876, 15.1226



14.8471, 10.6985, 14.9190

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.



25.3543, 19.5876, 19.3759



13.5628, 19.5876, 15.1226



22.4968, 19.5876, 38.6354

Square

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



13.5628, 19.5876, 15.1226



16.3016, 19.5876, 41.7068



24.7937, 19.5876, 29.0329



21.1428, 19.5876, 8.9791

Rectangle

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



13.5628, 19.5876, 15.1226



13.6814, 19.5876, 30.1490



24.7937, 19.5876, 29.0329



24.6173, 19.5876, 14.4203

Sweetspot

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



13.5633, 19.5884, 15.1230



34.9012, 40.2664, 40.3386



15.7696, 20.8601, 9.1569



7.9066, 9.2387, 9.1417



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.5633, 19.5884, 15.1230



21.9264, 33.9366, 23.5167



15.4143, 20.3288, 24.8704



4.6975, 5.2372, 5.4183



8.7768, 16.2936, 6.8102



0.0340, 0.0579, 0.0426

Inverse Universe

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



14.8471, 10.6985, 14.9190



24.5175, 15.9716, 23.0885



13.4883, 10.1550, 7.7636



4.7712, 4.7281, 5.4073



10.3549, 5.2063, 6.4411



0.0396, 0.0195, 0.0417

Previews

White Background



This preview shows how the XYZ color 13.5628, 19.5876, 15.1226 looks on a white 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

Black Background



This preview shows how the XYZ color 13.5628, 19.5876, 15.1226 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 13.5628, 19.5876, 15.1226

Background



This preview shows how black text looks on a background with the XYZ color 13.5628, 19.5876, 15.1226.



This preview shows how white text looks on a background with the XYZ color 13.5628, 19.5876,

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

13.5628, 19.5876, 15.1226

Protanopia

18.1858, 19.4730, 13.3899

Deuteranopia

19.6752, 19.2975, 15.7845



Tritanopia

16.1096, 19.6080, 27.7466

Trichromacy



Original Color

13.5628, 19.5876, 15.1226

Protanomaly

16.0074, 19.2745, 13.9430

Deuteranomaly

16.7261, 19.0394, 15.6254

Tritanomaly

15.0135, 19.5610, 22.3864

Monochromacy



Original Color

13.5628, 19.5876, 15.1226

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.3530, 17.0570, 16.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5628, 19.5876, 15.1226 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(71, 135, 100)` looks like.

```
.text, #text, p{  
    color:rgb(71, 135, 100)  
}
```

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(71, 135, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 135, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.5628, 19.5876, 15.1226 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(71, 135, 100) }
```


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

```
.border{ border-color:rgb(71, 135, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 135, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 135, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 135, 100);  
box-shadow:4px 4px 4px 4px rgb(71, 135,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5628, 19.5876, 15.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 135, 100) }
```

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

```
.background{ background-color: rgb(71, 135,  
100) }
```

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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