

Converting Colors

XYZ(13.0891, 15.6506, 19.4705)

Have a look what the booklet for
XYZ(13.0891, 15.6506, 19.4705)
contains.

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Color

**XYZ(13.0827, 15.6378,
19.4684)**

Conversions

Conversions Part 1

Format	Color
Hex	537476
RGB	83, 116, 118
RGB Percent	33%, 45%, 46%
CMY	0.6745, 0.5451, 0.5373
CMYK	0.30, 0.02, 0.00, 0.54
HSL	183°, 17%, 39%
HSV	183°, 30%, 46%
XYZ	13.0827, 15.6378, 19.4684
YIQ	106.3610, -20.3100, -6.3740

Conversions

Conversions Part 2

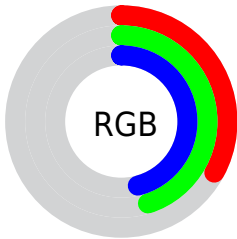
Format	Color
R_{YB}	83, 100, 118
Decimal	5469302
CIE _{Lab}	46.50, -11.22, -4.92
CIE _{LCh}	46, 12.250, 203.691
Yxy	15.6378, 0.2715, 0.3245
Android (android.graphics.Color)	4283659382 (0xFF537476)
YUV	106.3610, 5.7380, -20.4876
Hunter-Lab	39.5447, -10.1494, -1.5081

Details

The XYZ color **13.0827, 15.6378, 19.4684** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2812, 10.9732, 9.6547**, and the grayscale version is **13.7878, 14.5058, 15.7968**.

A 20% lighter version of the original color is **31.0898, 35.9759, 43.3356**, and **3.9002, 4.9515, 6.5445** is the 20% darker color. If you saturate the color by 10%, you get **12.0517, 14.9918, 19.3983**, and if you desaturate by 10%, it is **14.2924, 16.3776, 19.5477**.

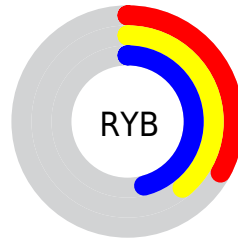
Distribution



Red (33%)

Green (45%)

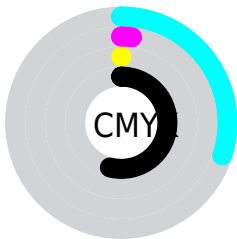
Blue (46%)



Red (33%)

Yellow (39%)

Blue (46%)

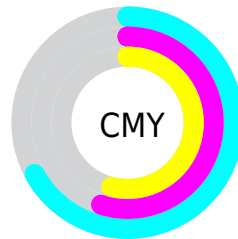


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (54%)



Cyan (67%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0827, 15.6378, 19.4684 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 13.0827, 15.6378, 19.4684 by changing the saturation by 10% instead.

■ 13.0827, 15.6378,
19.4684

■ 13.0827, 15.6378,
19.4684

205.0739,
227.1949, 261.5309

■ 7.5629, 9.2682,
11.8290

■ 31.0523, 35.9683,
43.3713

■ 3.8660, 4.9165,
6.5062

■ 44.2329, 50.6979,
60.4719

■ 1.6266, 2.1984,
3.0815

■ 60.6977, 68.9831,
81.5632

■ 0.4097, 0.7191,
1.1364

■ 80.8122, 91.2081,
107.0639

■ 0.0000, 0.0000,
0.0000

■ 104.9417,
117.7574, 137.3925

133.4516,

149.0154, 172.9675

166.7072,
185.3664, 214.2074

■ 13.0827, 15.6378,
19.4684

■ 13.0827, 15.6378,
19.4684

■ 12.0517, 14.9918,
19.3983

■ 14.2924, 16.3776,
19.5477

■ 11.1890, 14.4330,
19.3359

■ 15.6879, 17.2135,
19.6355

■ 10.4854, 13.9571,
19.2811

■ 17.2772, 18.1502,
19.7325

■ 9.9302, 13.5584,
19.2335

■ 19.0679, 19.1916,
19.8392

■ 9.5111, 13.2308,
19.1923

■ 21.0669, 20.3412,
19.9557

■ 9.2142, 12.9671,
19.1570

■ 23.2808, 21.6025,
20.0825

■ 8.9908, 12.7420,
19.1254

■ 25.7160, 22.9786,
20.2197

■ 8.9832, 12.7344,
19.1243

■ 28.3785, 24.4729,
20.3678

■ 31.2743, 26.0882,
20.5270

Harmonies

Analogous

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



12.9376, 15.6378, 16.3967



13.0827, 15.6378, 19.4684



13.6946, 15.6378, 22.1483

Triad

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



13.0827, 15.6378, 19.4684



16.5578, 15.6378, 20.7023



15.0872, 15.6378, 11.8826

Complementary

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



13.0827, 15.6378, 19.4684



12.2812, 10.9732, 9.6547

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.



16.0966, 15.6378, 12.7629



13.0827, 15.6378, 19.4684



16.9711, 15.6378, 17.6731

Square

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



13.0827, 15.6378, 19.4684



15.6930, 15.6378, 22.9175



16.7985, 15.6378, 14.7986



14.0633, 15.6378, 12.2435

Rectangle

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



13.0827, 15.6378, 19.4684



14.3011, 15.6378, 23.2306



16.7985, 15.6378, 14.7986



15.4400, 15.6378, 12.0395

Sweetspot

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



13.0832, 15.6384, 19.4688



27.6986, 30.3346, 34.5323



11.6758, 15.4481, 10.9091



6.2976, 6.9324, 7.9351



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.



13.0832, 15.6384, 19.4688



21.6613, 26.6585, 34.1409



11.2758, 12.0237, 18.8663



3.7663, 4.1212, 4.6872



9.7154, 13.7705, 20.6885



47.1288, 66.6742, 100.7457

Inverse Universe

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



13.7172, 11.2994, 17.9817



22.9904, 17.6900, 30.9957



13.8088, 14.0284, 10.1639



3.8180, 3.7545, 4.5686



11.2010, 5.4141, 16.7986



54.4752, 26.3402, 81.2887

Previews

White Background



This preview shows how the XYZ color 13.0827, 15.6378, 19.4684 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 13.0827, 15.6378, 19.4684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

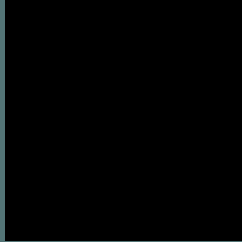
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0827, 15.6378, 19.4684

Background



This preview shows how black text looks on a background with the XYZ color 13.0827, 15.6378, 19.4684.



This preview shows how white text looks on a background with the XYZ color 13.0827, 15.6378,

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

13.0827, 15.6378, 19.4684

Protanopia

15.0614, 15.5317, 18.1237

Deuteranopia

15.8503, 15.5845, 19.9420



Tritanopia

13.4250, 15.6015, 21.3726

Trichromacy



Original Color

13.0827, 15.6378, 19.4684

Protanomaly

14.2555, 15.5928, 18.4780

Deuteranomaly

14.6146, 15.4268, 19.6602

Tritanomaly

13.2997, 15.5514, 20.7131

Monochromacy



Original Color

13.0827, 15.6378, 19.4684

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4274, 14.8743, 16.9152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0827, 15.6378, 19.4684 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(83, 116, 118) looks like.

```
.text, #text, p{  
    color:rgb(83, 116, 118)  
}
```

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(83, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 116, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.0827, 15.6378, 19.4684 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(83, 116, 118) }
```


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

```
.border{ border-color:rgb(83, 116, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(83, 116,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0827, 15.6378, 19.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 116, 118) }
```

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

```
.background{ background-color: rgb(83, 116,  
118) }
```

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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