

Converting Colors

XYZ(13.1822, 15.1799, 19.8414)

Have a look what the booklet for
XYZ(13.1822, 15.1799, 19.8414)
contains.

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Color

**XYZ(13.1654, 15.1684,
19.6867)**

Conversions

Conversions Part 1

Format	Color
Hex	577177
RGB	87, 113, 119
RGB Percent	34%, 44%, 47%
CMY	0.6588, 0.5569, 0.5333
CMYK	0.27, 0.05, 0.00, 0.53
HSL	191°, 16%, 40%
HSV	191°, 27%, 47%
XYZ	13.1654, 15.1684, 19.6867
YIQ	105.9100, -17.4220, -3.6460

Conversions

Conversions Part 2

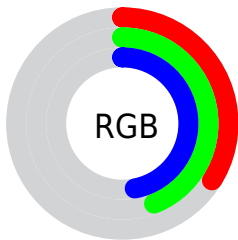
Format	Color
R_{YB}	87, 101, 119
Decimal	5730679
CIE _{Lab}	45.86, -7.95, -6.43
CIE _{LCh}	46, 10.227, 218.962
Yxy	15.1684, 0.2742, 0.3159
Android (android.graphics.Color)	4283920759 (0xFF577177)
YUV	105.9100, 6.4534, -16.5841
Hunter-Lab	38.9466, -7.8170, -2.7072

Details

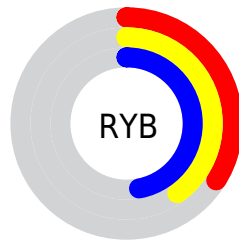
The XYZ color **13.1654, 15.1684, 19.6867** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2426, 12.4389, 10.7202**, and the grayscale version is **13.6616, 14.3731, 15.6523**.

A 20% lighter version of the original color is **31.2871, 35.2538, 43.6837**, and **3.9027, 4.6866, 6.6602** is the 20% darker color. If you saturate the color by 10%, you get **11.8990, 14.1510, 19.5573**, and if you desaturate by 10%, it is **14.6220, 16.2938, 19.8274**.

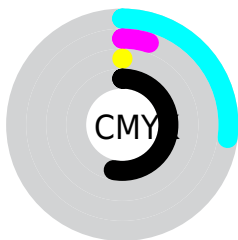
Distribution



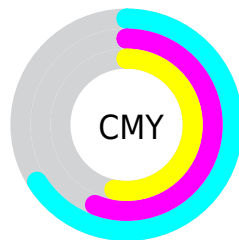
- Red (34%)
- Green (44%)
- Blue (47%)



- Red (34%)
- Yellow (40%)
- Blue (47%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (53%)



- Cyan (66%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1654, 15.1684, 19.6867 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 13.1654, 15.1684, 19.6867 by changing the saturation by 10% instead.

■ 13.1654, 15.1684,
19.6867

■ 13.1654, 15.1684,
19.6867

205.5912,
224.3833, 262.7619

■ 7.6203, 8.9377,
11.9857

■ 31.1994, 35.1483,
43.7433

■ 3.9027, 4.7005,
6.6115

■ 44.4190, 49.6663,
60.9360

■ 1.6473, 2.0727,
3.1456

■ 60.9276, 67.7155,
82.1297

■ 0.4229, 0.6492,
1.1695

■ 81.0904, 89.6803,
107.7429

■ 0.0000, 0.0000,
0.0000

■ 105.2728,
115.9450, 138.1942

133.8402,

146.8942, 173.9021

167.1579,
182.9121, 215.2851

■ 13.1654, 15.1684,
19.6867

■ 13.1654, 15.1684,
19.6867

■ 11.8990, 14.1510,
19.5573

■ 14.6220, 16.2938,
19.8274

■ 10.8124, 13.2349,
19.4378

■ 16.2760, 17.5296,
19.9788

■ 9.8963, 12.4156,
19.3279

■ 18.1355, 18.8806,
20.1415

■ 9.1401, 11.6877,
19.2273

■ 20.2080, 20.3507,
20.3160

■ 8.5317, 11.0448,
19.1352

■ 22.5006, 21.9436,
20.5027

■ 8.0573, 10.4797,
19.0512

■ 25.0201, 23.6628,
20.7017

■ 7.6867, 9.9768,
18.9736

■ 27.7729, 25.5118,
20.9135

■ 7.5762, 9.8246,
18.9501

■ 30.7651, 27.4937,
21.1384

■ 34.0027, 29.6117,
21.3765

Harmonies

Analogous

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



12.8399, 15.1684, 17.2670



13.1654, 15.1684, 19.6867



13.8298, 15.1684, 21.3583

Triad

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



13.1654, 15.1684, 19.6867



16.0214, 15.1684, 18.2806



14.1602, 15.1684, 12.2536

Complementary

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



13.1654, 15.1684, 19.6867



13.2426, 12.4389, 10.7202

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.



15.0208, 15.1684, 12.4669



13.1654, 15.1684, 19.6867



16.1185, 15.1684, 15.7868

Square

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



13.1654, 15.1684, 19.6867



15.4855, 15.1684, 20.4919



15.7457, 15.1684, 13.7051



13.3990, 15.1684, 13.0905

Rectangle

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



13.1654, 15.1684, 19.6867



14.3871, 15.1684, 21.7355



15.7457, 15.1684, 13.7051



14.4472, 15.1684, 12.2068

Sweetspot

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



13.1659, 15.1690, 19.6870



28.7356, 31.0878, 35.7391



12.4975, 16.0082, 12.7566



6.7161, 7.2979, 8.4613



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.



13.1659, 15.1690, 19.6870



22.1924, 26.0607, 35.1136



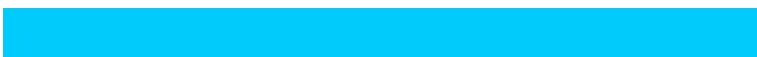
11.5476, 11.9326, 19.1476



3.7278, 4.0442, 4.6744



8.0427, 10.4251, 20.1309



38.6081, 49.6328, 97.9055

Inverse Universe

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



13.9970, 11.9310, 17.1886



23.9595, 19.3668, 29.7588



14.7828, 15.5193, 11.2336



3.7986, 3.7467, 4.4663



10.3567, 5.0764, 12.3526



50.1743, 24.6199, 58.6407

Previews

White Background



This preview shows how the XYZ color 13.1654, 15.1684, 19.6867 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 13.1654, 15.1684, 19.6867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

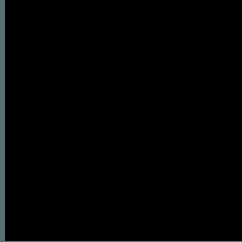
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1654, 15.1684, 19.6867

Background



This preview shows how black text looks on a background with the XYZ color 13.1654, 15.1684, 19.6867.



This preview shows how white text looks on a background with the XYZ color 13.1654, 15.1684,

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

13.1654, 15.1684, 19.6867

Protanopia

14.6993, 15.1742, 18.6772

Deuteranopia

15.3128, 14.9943, 20.1763



Tritanopia

13.4425, 15.2901, 20.6551

Trichromacy



Original Color

13.1654, 15.1684, 19.6867

Protanomaly

14.0423, 15.1455, 19.0129

Deuteranomaly

14.4616, 15.0242, 19.9071

Tritanomaly

13.3808, 15.2654, 20.3304

Monochromacy



Original Color

13.1654, 15.1684, 19.6867

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4835, 14.7376, 17.1729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1654, 15.1684, 19.6867 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(87, 113, 119)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 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(87, 113, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.1654, 15.1684, 19.6867 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(87, 113, 119) }
```


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

```
.border{ border-color:rgb(87, 113, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 113, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 119);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1654, 15.1684, 19.6867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 119) }
```

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

```
.background{ background-color: rgb(87, 113,  
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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