

Converting Colors

XYZ(13.8168, 19.0208, 18.1326)

Have a look what the booklet for
XYZ(13.8168, 19.0208, 18.1326)
contains.

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Color

**XYZ(13.8484, 19.0501,
18.2764)**

Conversions

Conversions Part 1

Format	Color
Hex	488470
RGB	72, 132, 112
RGB Percent	28%, 52%, 44%
CMY	0.7176, 0.4823, 0.5608
CMYK	0.45, 0.00, 0.15, 0.48
HSL	160°, 29%, 40%
HSV	160°, 45%, 52%
XYZ	13.8484, 19.0501, 18.2764
YIQ	111.7800, -29.3400, -18.9400

Conversions

Conversions Part 2

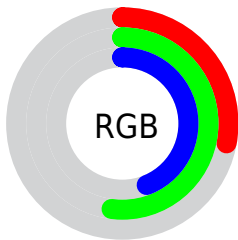
Format	Color
R_{YB}	72, 108, 132
Decimal	4752496
CIE _{Lab}	50.75, -24.60, 4.75
CIE _{LCh}	51, 25.051, 169.060
Yxy	19.0501, 0.2706, 0.3723
Android (android.graphics.Color)	4282942576 (0xFF488470)
YUV	111.7800, 0.1085, -34.8871
Hunter-Lab	43.6464, -19.7457, 5.7255

Details

The XYZ color **13.8484, 19.0501, 18.2764** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.7655, 10.3135, 11.3912**, and the grayscale version is **15.3429, 16.1420, 17.5786**.

A 20% lighter version of the original color is **32.3620, 41.6633, 41.4581**, and **4.1922, 6.5334, 5.8906** is the 20% darker color. If you saturate the color by 10%, you get **12.7291, 18.5012, 16.9764**, and if you desaturate by 10%, it is **15.1921, 19.7143, 19.6502**.

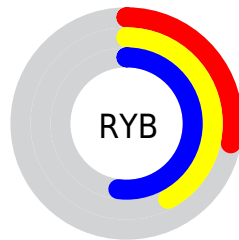
Distribution



Red (28%)

Green (52%)

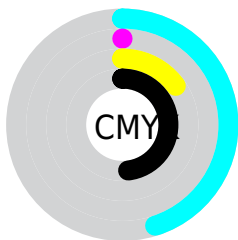
Blue (44%)



Red (28%)

Yellow (42%)

Blue (52%)

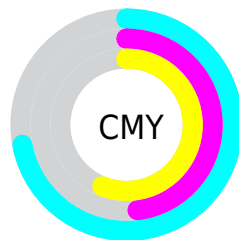


Cyan (45%)

Magenta (0%)

Yellow (15%)

Black (48%)



Cyan (72%)

Magenta (48%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8484, 19.0501, 18.2764 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 13.8484, 19.0501, 18.2764 by changing the saturation by 10% instead.

■ 13.8484, 19.0501,
18.2764

■ 13.8484, 19.0501,
18.2764

209.8152,
246.7252, 254.7126

■ 8.0963, 11.7065,
10.9771

■ 32.4083, 41.8187,
41.3280

■ 4.2090, 6.5441,
5.9375

■ 45.9468, 58.0126,
57.9174

■ 1.8210, 3.1787,
2.7389

■ 62.8115, 77.9252,
78.4407

■ 0.5303, 1.2257,
0.9629

■ 83.3678, 101.9411,
103.3162

■ 0.0000, 0.0826,
0.0000

■ 107.9809,
130.4447, 132.9627

■ 0.0000, 0.0000,
0.0000

137.0163,

163.8203, 167.7985

170.8393,
202.4523, 208.2423

■ 13.8484, 19.0501,
18.2764

■ 13.8484, 19.0501,
18.2764

■ 12.7291, 18.5012,
16.9764

■ 15.1921, 19.7143,
19.6502

■ 11.8187, 18.0581,
15.7474

■ 16.7712, 20.4979,
21.0981

■ 11.1024, 17.7138,
14.5883

■ 18.5979, 21.4078,
22.6217

■ 10.5625, 17.4590,
13.4972

■ 20.6829, 22.4494,
24.2225

■ 10.1722, 17.2801,
12.4720

■ 23.0366, 23.6281,
25.9018

■ 10.0130, 17.2078,
12.0260

■ 25.6686, 24.9487,
27.6608

■ 28.5880, 26.4160,
29.5007

■ 31.8034, 28.0344,
31.4227

■ 35.3234, 29.8082,
33.4279

Harmonies

Analogous

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



14.7635, 19.0501, 13.0721



13.8484, 19.0501, 18.2764



13.9939, 19.0501, 25.4878

Triad

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



13.8484, 19.0501, 18.2764



19.6955, 19.0501, 36.3603



21.3860, 19.0501, 12.1002

Complementary

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



13.8484, 19.0501, 18.2764



13.7655, 10.3135, 11.3912

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.



22.9550, 19.0501, 16.6258



13.8484, 19.0501, 18.2764



21.9196, 19.0501, 30.9447

Square

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



13.8484, 19.0501, 18.2764



17.2237, 19.0501, 37.0869



23.1587, 19.0501, 23.4206



19.0191, 19.0501, 10.0827

Rectangle

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



13.8484, 19.0501, 18.2764



14.6767, 19.0501, 30.5024



23.1587, 19.0501, 23.4206



22.0331, 19.0501, 13.3239

Sweetspot

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



13.8489, 19.0509, 18.2768



33.1546, 37.9058, 40.1615



13.9358, 19.2984, 9.1217



7.5684, 8.7501, 9.2302



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.8489, 19.0509, 18.2768



22.2844, 32.5216, 29.7307



13.9209, 17.2103, 24.4189



4.7374, 5.2532, 5.6282



9.6972, 16.6618, 11.6571



0.0370, 0.0591, 0.0583

Inverse Universe

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



13.7655, 10.3135, 11.3912



22.1254, 15.0195, 15.9781



13.6285, 11.2588, 7.5861



4.7319, 4.7124, 5.2004



9.6561, 4.9268, 2.7616



0.0366, 0.0183, 0.0260

Previews

White Background



This preview shows how the XYZ color 13.8484, 19.0501, 18.2764 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 13.8484, 19.0501, 18.2764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

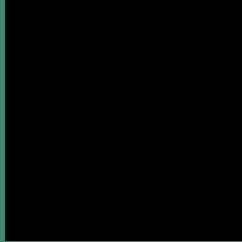
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8484, 19.0501, 18.2764

Background



This preview shows how black text looks on a background with the XYZ color 13.8484, 19.0501, 18.2764.

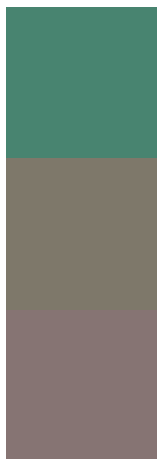


This preview shows how white text looks on a background with the XYZ color 13.8484, 19.0501,

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

13.8484, 19.0501, 18.2764

Protanopia

17.9222, 18.9092, 16.3409

Deuteranopia

19.1714, 18.7969, 18.8374



Tritanopia

15.6038, 18.9647, 27.2642

Trichromacy



Original Color

13.8484, 19.0501, 18.2764

Protanomaly

15.8583, 18.5622, 16.9344

Deuteranomaly

16.5523, 18.5135, 18.6206

Tritanomaly

14.7932, 18.8220, 23.6222

Monochromacy



Original Color

13.8484, 19.0501, 18.2764

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.4512, 16.9049, 17.8305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8484, 19.0501, 18.2764 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, 132, 112)` looks like.

```
.text, #text, p{  
    color:rgb(72, 132, 112)  
}
```

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, 132, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 132, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.8484, 19.0501, 18.2764 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, 132, 112) }
```


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

```
.border{ border-color:rgb(72, 132, 112) }
```

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

Here you see how a box with a 4 pixel rgb(72, 132, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 132, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 132, 112);  
box-shadow:4px 4px 4px 4px rgb(72, 132,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8484, 19.0501, 18.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 132, 112) }
```

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

```
.background{ background-color: rgb(72, 132,  
112) }
```

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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