

Converting Colors

XYZ(13.5044, 17.9863, 15.6996)

Have a look what the booklet for
XYZ(13.5044, 17.9863, 15.6996)
contains.

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Color

**XYZ(13.4309, 17.9073,
15.5805)**

Conversions

Conversions Part 1

Format	Color
Hex	517F67
RGB	81, 127, 103
RGB Percent	32%, 50%, 40%
CMY	0.6823, 0.5020, 0.5961
CMYK	0.36, 0.00, 0.19, 0.50
HSL	149°, 22%, 41%
HSV	149°, 36%, 50%
XYZ	13.4309, 17.9073, 15.5805
YIQ	110.5100, -19.7120, -17.2160

Conversions

Conversions Part 2

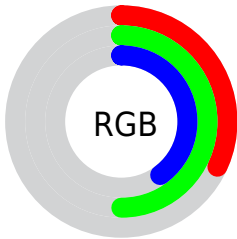
Format	Color
R_{YB}	81, 112, 127
Decimal	5341031
CIE _{Lab}	49.38, -21.39, 8.12
CIE _{LCh}	49, 22.884, 159.215
Yxy	17.9073, 0.2863, 0.3817
Android (android.graphics.Color)	4283531111 (0xFF517F67)
YUV	110.5100, -3.7024, -25.8803
Hunter-Lab	42.3170, -17.4011, 7.7922

Details

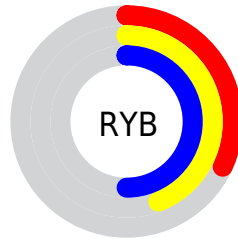
The XYZ color **13.4309, 17.9073, 15.5805** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.2453, 11.4173, 14.8184**, and the grayscale version is **14.9825, 15.7628, 17.1656**.

A 20% lighter version of the original color is **31.6697, 39.8811, 36.6005**, and **4.0654, 6.0576, 4.6964** is the 20% darker color. If you saturate the color by 10%, you get **12.1233, 17.2706, 13.8515**, and if you desaturate by 10%, it is **14.9695, 18.6610, 17.4587**.

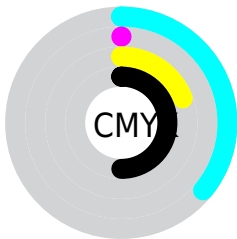
Distribution



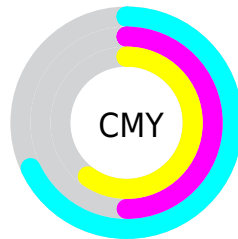
- Red (32%)
- Green (50%)
- Blue (40%)



- Red (32%)
- Yellow (44%)
- Blue (50%)



- Cyan (36%)
- Magenta (0%)
- Yellow (19%)
- Black (50%)



- Cyan (68%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4309, 17.9073, 15.5805 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 13.4309, 17.9073, 15.5805 by changing the saturation by 10% instead.

■ 13.4309, 17.9073,
15.5805

■ 13.4309, 17.9073,
15.5805

207.2433,
240.3480, 238.6140

■ 7.8050, 10.8835,
9.0767

■ 31.6705, 39.8793,
36.6250

■ 4.0212, 5.9885,
4.6937

■ 45.0150, 55.5963,
52.0027

■ 1.7141, 2.8381,
2.0131

■ 61.6629, 74.9797,
71.1755

■ 0.4651, 1.0478,
0.5633

■ 81.9798, 98.4140,
94.5619

■ 0.0000, 0.0000,
0.0000

■ 106.3309,
126.2836, 122.5804

135.0816,

158.9729, 155.6495

168.5973,
196.8662, 194.1879

■ 13.4309, 17.9073,
15.5805

■ 13.4309, 17.9073,
15.5805

■ 12.1233, 17.2706,
13.8515

■ 14.9695, 18.6610,
17.4587

■ 11.0331, 16.7425,
12.2668

■ 16.7486, 19.5351,
19.4885

■ 10.1478, 16.3172,
10.8229

■ 18.7792, 20.5356,
21.6737

■ 9.4528, 15.9871,
9.5157

■ 21.0708, 21.6675,
24.0177

■ 8.9312, 15.7437,
8.3407

■ 23.6327, 22.9354,
26.5237

■ 8.5537, 15.5719,
7.2930

■ 26.4737, 24.3438,
29.1949

■ 8.4249, 15.5134,
6.9282

■ 29.6021, 25.8969,
32.0342

■ 33.0258, 27.5988,
35.0447

■ 36.7525, 29.4534,
38.2292

Harmonies

Analogous

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



14.5313, 17.9073, 11.6692



13.4309, 17.9073, 15.5805



13.2470, 17.9073, 21.4619

Triad

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



13.4309, 17.9073, 15.5805



17.6930, 17.9073, 33.7244



20.4390, 17.9073, 12.9131

Complementary

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



13.4309, 17.9073, 15.5805



14.2453, 11.4173, 14.8184

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.



21.4498, 17.9073, 17.6577



13.4309, 17.9073, 15.5805



19.7785, 17.9073, 30.2207

Square

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



13.4309, 17.9073, 15.5805



15.5910, 17.9073, 32.8395



21.1983, 17.9073, 24.0226



18.5345, 17.9073, 10.3703

Rectangle

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



13.4309, 17.9073, 15.5805



13.6520, 17.9073, 25.8868



21.1983, 17.9073, 24.0226



20.9016, 17.9073, 14.2577

Sweetspot

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



13.4314, 17.9080, 15.5809



31.7373, 35.8410, 36.8031



14.9637, 18.8092, 10.6268



7.3367, 8.3451, 8.5152



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4314, 17.9080, 15.5809



22.1895, 31.1600, 25.4618



14.7149, 18.4214, 22.3396



4.3550, 4.8503, 5.0406



8.4958, 15.6449, 6.9834



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.2453, 11.4173, 14.8184



23.8608, 17.8274, 23.8931



13.2387, 11.0147, 9.5181



4.4141, 4.3788, 4.9853



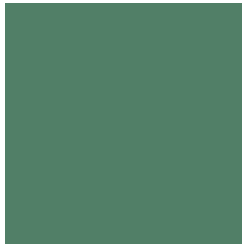
9.8260, 4.9501, 5.6733



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4309, 17.9073, 15.5805 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 13.4309, 17.9073, 15.5805 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 13.4309, 17.9073, 15.5805

Background



This preview shows how black text looks on a background with the XYZ color 13.4309, 17.9073, 15.5805.



This preview shows how white text looks on a background with the XYZ color 13.4309, 17.9073,

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

13.4309, 17.9073, 15.5805

Protanopia

16.7343, 17.8154, 14.1120

Deuteranopia

18.0224, 17.7564, 16.1131



Tritanopia

15.3411, 17.9341, 24.8434

Trichromacy



Original Color

13.4309, 17.9073, 15.5805

Protanomaly

15.3220, 17.7830, 14.6815

Deuteranomaly

15.8383, 17.4875, 15.9053

Tritanomaly

14.4668, 17.7517, 21.0763

Monochromacy



Original Color

13.4309, 17.9073, 15.5805

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.3236, 16.5146, 16.6201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4309, 17.9073, 15.5805 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(81, 127, 103)` looks like.

```
.text, #text, p{  
    color:rgb(81, 127, 103)  
}
```

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(81, 127, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 127, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.4309, 17.9073, 15.5805 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(81, 127, 103) }
```


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

```
.border{ border-color:rgb(81, 127, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 127, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 127, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 127, 103);  
box-shadow:4px 4px 4px 4px rgb(81, 127,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4309, 17.9073, 15.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 127, 103) }
```

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

```
.background{ background-color: rgb(81, 127,  
103) }
```

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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