

Converting Colors

XYZ(13.9044, 18.1482, 19.6159)

Have a look what the booklet for
XYZ(13.9044, 18.1482, 19.6159)
contains.

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Color

**XYZ(13.8608, 18.0409,
19.5813)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7F75
RGB	77, 127, 117
RGB Percent	30%, 50%, 46%
CMY	0.6980, 0.5020, 0.5412
CMYK	0.39, 0.00, 0.08, 0.50
HSL	168°, 25%, 40%
HSV	168°, 39%, 50%
XYZ	13.8608, 18.0409, 19.5813
YIQ	110.9100, -26.5900, -13.7100

Conversions

Conversions Part 2

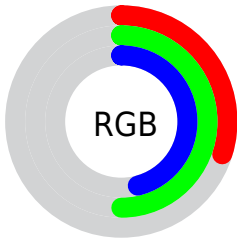
Format	Color
RYB	77, 105, 127
Decimal	5078901
CIELab	49.55, -19.34, 0.12
CIElCh	50, 19.345, 179.646
Yxy	18.0409, 0.2692, 0.3504
Android (android.graphics.Color)	4283268981 (0xFF4D7F75)
YUV	110.9100, 3.0024, -29.7391
Hunter-Lab	42.4746, -16.0803, 2.3988

Details

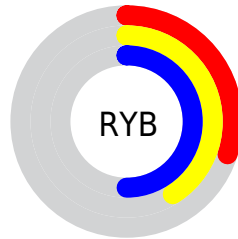
The XYZ color **13.8608, 18.0409, 19.5813** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1272, 10.5083, 10.3539**, and the grayscale version is **15.0808, 15.8662, 17.2783**.

A 20% lighter version of the original color is **32.3848, 40.0963, 43.5686**, and **4.2506, 6.1115, 6.5858** is the 20% darker color. If you saturate the color by 10%, you get **12.7872, 17.5049, 18.7622**, and if you desaturate by 10%, it is **15.1396, 18.6831, 20.4320**.

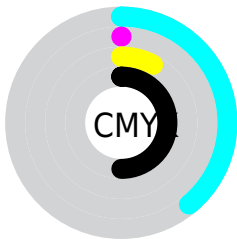
Distribution



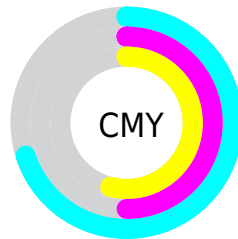
- Red (30%)
- Green (50%)
- Blue (46%)



- Red (30%)
- Yellow (41%)
- Blue (50%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (50%)



- Cyan (70%)
- Magenta (50%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8608, 18.0409, 19.5813 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 13.8608, 18.0409, 19.5813 by changing the saturation by 10% instead.

■ 13.8608, 18.0409,
19.5813

■ 13.8608, 18.0409,
19.5813

209.8911,
241.1015, 262.1682

■ 8.1050, 10.9794,
11.9100

■ 32.4302, 40.1070,
43.5638

■ 4.2146, 6.0530,
6.5606

■ 45.9744, 55.8804,
60.7121

■ 1.8242, 2.8773,
3.1146

■ 62.8455, 75.3264,
81.8564

■ 0.5322, 1.0680,
1.1535

■ 83.4088, 98.8296,
107.4154

■ 0.0000, 0.0000,
0.0000

■ 108.0297,
126.7743, 137.8075

137.0734,

159.5449, 173.4513

170.9055,
197.5259, 214.7653

■ 13.8608, 18.0409,
19.5813

■ 13.8608, 18.0409,
19.5813

■ 12.7872, 17.5049,
18.7622

■ 15.1396, 18.6831,
20.4320

■ 11.9056, 17.0670,
17.9727

■ 16.6328, 19.4349,
21.3136

■ 11.2034, 16.7211,
17.2124

■ 18.3509, 20.3022,
22.2272

■ 10.6662, 16.4598,
16.4805

■ 20.3035, 21.2898,
23.1735

■ 10.2771, 16.2744,
15.7760

■ 22.4992, 22.4024,
24.1530

■ 9.9860, 16.1391,
15.0965

■ 24.9464, 23.6441,
25.1662

■ 9.9681, 16.1308,
15.0544

■ 27.6532, 25.0191,
26.2136

■ 30.6272, 26.5314,
27.2959

■ 33.8756, 28.1846,
28.4134

Harmonies

Analogous

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



14.2839, 18.0409, 14.9742



13.8608, 18.0409, 19.5813



14.2647, 18.0409, 25.0676

Triad

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



13.8608, 18.0409, 19.5813



18.9493, 18.0409, 29.7794



18.9895, 18.0409, 12.1612

Complementary

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



13.8608, 18.0409, 19.5813



13.1272, 10.5083, 10.3539

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.



20.3943, 18.0409, 15.0643



13.8608, 18.0409, 19.5813



20.3699, 18.0409, 25.1947

Square

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



13.8608, 18.0409, 19.5813



17.1256, 18.0409, 31.5560



20.9162, 18.0409, 19.7058



17.1691, 18.0409, 11.1843

Rectangle

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



13.8608, 18.0409, 19.5813



14.9663, 18.0409, 28.3772



20.9162, 18.0409, 19.7058



19.5306, 18.0409, 12.9153

Sweetspot

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



13.8613, 18.0416, 19.5817



31.9213, 35.8803, 39.3192



12.9382, 17.7819, 9.7717



7.3972, 8.3620, 9.1656



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.



13.8613, 18.0416, 19.5817



23.1194, 31.4563, 33.7780



12.7784, 14.8838, 22.2789



4.4107, 4.8726, 5.3341



10.0522, 16.2675, 15.1796



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1272, 10.5083, 10.3539



21.6206, 16.0224, 14.8986



13.8479, 12.5590, 8.7157



4.3602, 4.3572, 4.7015



9.0080, 4.6229, 1.3660



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8608, 18.0409, 19.5813 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 13.8608, 18.0409, 19.5813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

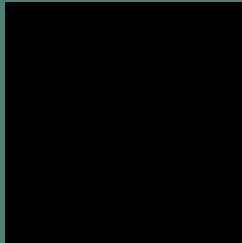
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8608, 18.0409, 19.5813

Background



This preview shows how black text looks on a background with the XYZ color 13.8608, 18.0409, 19.5813.

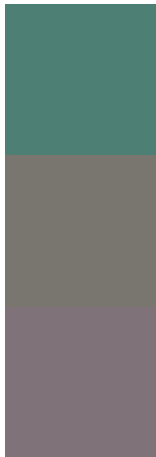


This preview shows how white text looks on a background with the XYZ color 13.8608, 18.0409,

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

13.8608, 18.0409, 19.5813

Protanopia

17.1157, 17.9352, 17.5987

Deuteranopia

18.1599, 17.9027, 20.2677



Tritanopia

14.9041, 17.8859, 25.2210

Trichromacy



Original Color

13.8608, 18.0409, 19.5813

Protanomaly

15.6437, 17.8703, 18.2476

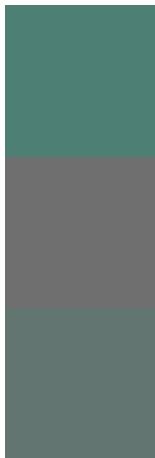
Deuteranomaly

16.2333, 17.7768, 20.0284

Tritanomaly

14.5382, 17.9312, 23.1169

Monochromacy



Original Color

13.8608, 18.0409, 19.5813

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4875, 16.5675, 18.0571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8608, 18.0409, 19.5813 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(77, 127, 117)` looks like.

```
.text, #text, p{  
    color:rgb(77, 127, 117)  
}
```

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(77, 127, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 127, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.8608, 18.0409, 19.5813 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(77, 127, 117) }
```


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

```
.border{ border-color:rgb(77, 127, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 127, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 127, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 127, 117);  
box-shadow:4px 4px 4px 4px rgb(77, 127,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8608, 18.0409, 19.5813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 127, 117) }
```

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

```
.background{ background-color: rgb(77, 127,  
117) }
```

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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