

Converting Colors

XYZ(13.1395, 16.9922, 18.6764)

Have a look what the booklet for
XYZ(13.1395, 16.9922, 18.6764)
contains.

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Color

**XYZ(13.1580, 16.9402,
18.7959)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7B73
RGB	76, 123, 115
RGB Percent	30%, 48%, 45%
CMY	0.7020, 0.5176, 0.5490
CMYK	0.38, 0.00, 0.07, 0.52
HSL	170°, 24%, 39%
HSV	170°, 38%, 48%
XYZ	13.1580, 16.9402, 18.7959
YIQ	108.0350, -25.4440, -12.4520

Conversions

Conversions Part 2

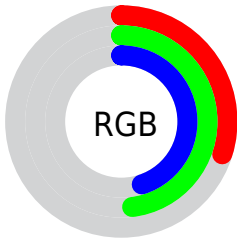
Format	Color
RYB	76, 102, 123
Decimal	5012339
CIELab	48.18, -18.00, -0.70
CIElCh	48, 18.016, 182.218
Yxy	16.9402, 0.2691, 0.3465
Android (android.graphics.Color)	4283202419 (0xFF4C7B73)
YUV	108.0350, 3.4337, -28.0947
Hunter-Lab	41.1585, -14.9625, 1.7349

Details

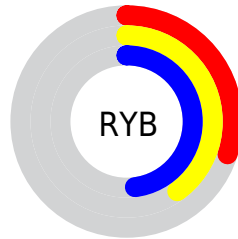
The XYZ color **13.1580, 16.9402, 18.7959** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3537, 10.0205, 9.6714**, and the grayscale version is **14.2599, 15.0025, 16.3377**.

A 20% lighter version of the original color is **31.2528, 38.3527, 42.3148**, and **3.8879, 5.5224, 6.1712** is the 20% darker color. If you saturate the color by 10%, you get **12.1537, 16.4366, 18.1273**, and if you desaturate by 10%, it is **14.3529, 17.5426, 19.4884**.

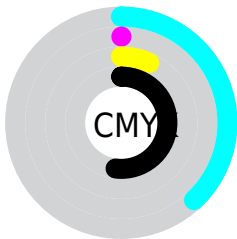
Distribution



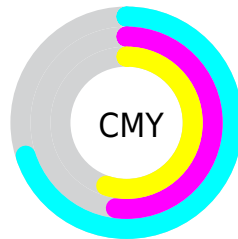
- Red (30%)
- Green (48%)
- Blue (45%)



- Red (30%)
- Yellow (40%)
- Blue (48%)



- Cyan (38%)
- Magenta (0%)
- Yellow (7%)
- Black (52%)



- Cyan (70%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1580, 16.9402, 18.7959 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 13.1580, 16.9402, 18.7959 by changing the saturation by 10% instead.

■ 13.1580, 16.9402,
18.7959

■ 13.1580, 16.9402,
18.7959

205.5450,
234.8275, 257.7048

■ 7.6152, 10.1919,
11.3476

■ 31.1863, 38.2229,
42.2210

■ 3.8994, 5.5264,
6.1840

■ 44.4024, 53.5261,
59.0349

■ 1.6454, 2.5593,
2.8867

■ 60.9070, 72.4497,
79.8077

■ 0.4217, 0.9062,
1.0371

■ 81.0655, 95.3781,
104.9580

■ 0.0000, 0.0000,
0.0000

■ 105.2432,
122.6957, 134.9043

133.8054,

154.7868, 170.0652

167.1176,
192.0360, 210.8592

■ 13.1580, 16.9402,
18.7959

■ 13.1580, 16.9402,
18.7959

■ 12.1537, 16.4366,
18.1273

■ 14.3529, 17.5426,
19.4884

■ 11.3278, 16.0243,
17.4809

■ 15.7468, 18.2467,
20.2043

■ 10.6690, 15.6979,
16.8564

■ 17.3494, 19.0582,
20.9444

■ 10.1641, 15.4504,
16.2531

■ 19.1692, 19.9813,
21.7093

■ 9.7979, 15.2742,
15.6703

■ 21.2144, 21.0202,
22.4993

■ 9.5308, 15.1486,
15.1059

■ 23.4926, 22.1790,
23.3150

■ 9.4846, 15.1270,
15.0064

■ 26.0111, 23.4613,
24.1568

■ 28.7770, 24.8708,
25.0251

■ 31.7970, 26.4110,
25.9203

Harmonies

Analogous

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



13.4754, 16.9402, 14.5565



13.1580, 16.9402, 18.7959



13.5838, 16.9402, 23.6770

Triad

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



13.1580, 16.9402, 18.7959



17.8371, 16.9402, 27.1646



17.6123, 16.9402, 11.5676

Complementary

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



13.1580, 16.9402, 18.7959



12.3537, 10.0205, 9.6714

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.



18.9117, 16.9402, 14.0468



13.1580, 16.9402, 18.7959



19.0476, 16.9402, 22.9707

Square

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



13.1580, 16.9402, 18.7959



16.2232, 16.9402, 28.9909



19.4534, 16.9402, 18.0985



15.9797, 16.9402, 10.8280

Rectangle

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



13.1580, 16.9402, 18.7959



14.2498, 16.9402, 26.5206



19.4534, 16.9402, 18.0985



18.1062, 16.9402, 12.2018

Sweetspot

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



13.1585, 16.9409, 18.7963



30.1485, 33.6616, 37.0946



12.0997, 16.6018, 9.4047



7.0255, 7.8899, 8.7022



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.1585, 16.9409, 18.7963



21.9418, 29.5222, 32.5876



11.9311, 13.7170, 20.7584



4.0792, 4.5013, 4.9508



9.8097, 15.6475, 15.5144



46.5191, 74.5307, 72.5626

Inverse Universe

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



12.3537, 10.0205, 9.6714



20.2836, 15.2241, 13.7572



13.2046, 12.1956, 8.4960



4.0236, 4.0252, 4.3219



8.5880, 4.4114, 1.1216



40.7437, 20.9538, 4.1804

Previews

White Background



This preview shows how the XYZ color 13.1580, 16.9402, 18.7959 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 13.1580, 16.9402, 18.7959 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 13.1580, 16.9402, 18.7959

Background



This preview shows how black text looks on a background with the XYZ color 13.1580, 16.9402, 18.7959.



This preview shows how white text looks on a background with the XYZ color 13.1580, 16.9402,

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

13.1580, 16.9402, 18.7959

Protanopia

16.0557, 16.7180, 17.1325

Deuteranopia

17.0143, 16.6708, 19.4606



Tritanopia

14.1749, 16.9919, 23.6518

Trichromacy



Original Color

13.1580, 16.9402, 18.7959

Protanomaly

14.7654, 16.7172, 17.7778

Deuteranomaly

15.2855, 16.6100, 19.2300

Tritanomaly

13.8857, 17.0620, 21.9635

Monochromacy



Original Color

13.1580, 16.9402, 18.7959

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5982, 15.4447, 17.3034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1580, 16.9402, 18.7959 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(76, 123, 115)` looks like.

```
.text, #text, p{  
  color:rgb(76, 123, 115)  
}
```

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(76, 123, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 123, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.1580, 16.9402, 18.7959 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(76, 123, 115) }
```


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

```
.border{ border-color:rgb(76, 123, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 123, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 123, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 123, 115);  
box-shadow:4px 4px 4px 4px rgb(76, 123,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1580, 16.9402, 18.7959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 123, 115) }
```

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

```
.background{ background-color: rgb(76, 123,  
115) }
```

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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