

Converting Colors

XYZ(13.1755, 16.9284, 19.7761)

Have a look what the booklet for
XYZ(13.1755, 16.9284, 19.7761)
contains.

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Color

**XYZ(13.1770, 16.9298,
19.7128)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7B76
RGB	74, 123, 118
RGB Percent	29%, 48%, 46%
CMY	0.7098, 0.5176, 0.5373
CMYK	0.40, 0.00, 0.04, 0.52
HSL	174°, 25%, 39%
HSV	174°, 40%, 48%
XYZ	13.1770, 16.9298, 19.7128
YIQ	107.7790, -27.5990, -11.9430

Conversions

Conversions Part 2

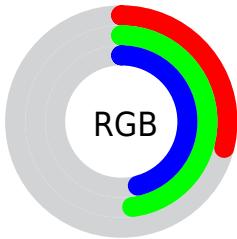
Format	Color
RYB	74, 100, 123
Decimal	4881270
CIELab	48.17, -17.82, -2.50
CIElCh	48, 17.997, 187.992
Yxy	16.9298, 0.2645, 0.3398
Android (android.graphics.Color)	4283071350 (0xFF4A7B76)
YUV	107.7790, 5.0390, -29.6242
Hunter-Lab	41.1458, -14.8404, 0.3965

Details

The XYZ color **13.1770, 16.9298, 19.7128** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0290, 9.6735, 8.6309**, and the grayscale version is **14.1843, 14.9229, 16.2511**.

A 20% lighter version of the original color is **31.2385, 38.3129, 43.7789**, and **3.9076, 5.5219, 6.6542** is the 20% darker color. If you saturate the color by 10%, you get **12.2471, 16.4594, 19.2827**, and if you desaturate by 10%, it is **14.2941, 17.4974, 20.1576**.

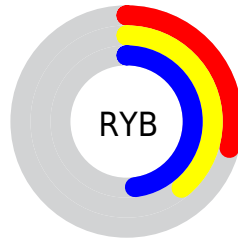
Distribution



Red (29%)

Green (48%)

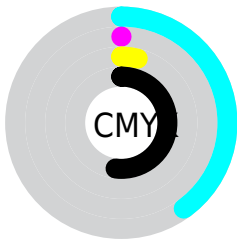
Blue (46%)



Red (29%)

Yellow (39%)

Blue (48%)

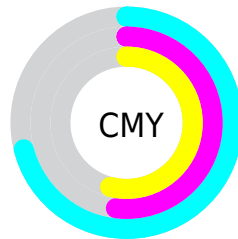


Cyan (40%)

Magenta (0%)

Yellow (4%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1770, 16.9298, 19.7128 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 13.1770, 16.9298, 19.7128 by changing the saturation by 10% instead.

■ 13.1770, 16.9298,
19.7128

■ 13.1770, 16.9298,
19.7128

205.6637,
234.7675, 262.9087

■ 7.6284, 10.1845,
12.0044

■ 31.2200, 38.2050,
43.7878

■ 3.9079, 5.5214,
6.6241

■ 44.4451, 53.5037,
60.9915

■ 1.6502, 2.5563,
3.1533

■ 60.9598, 72.4223,
82.1974

■ 0.4248, 0.9048,
1.1734

■ 81.1294, 95.3452,
107.8240

■ 0.0000, 0.0000,
0.0000

■ 105.3192,
122.6567, 138.2899

133.8946,

154.7414, 174.0136

167.2210,
191.9835, 215.4137

■ 13.1770, 16.9298,
19.7128

■ 13.1770, 16.9298,
19.7128

■ 12.2471, 16.4594,
19.2827

■ 14.2941, 17.4974,
20.1576

■ 11.4921, 16.0786,
18.8656

■ 15.6068, 18.1654,
20.6163

■ 10.9005, 15.7820,
18.4613

■ 17.1250, 18.9391,
21.0899

■ 10.4587, 15.5625,
18.0692

■ 18.8572, 19.8231,
21.5788

■ 10.1512, 15.4121,
17.6884

■ 20.8118, 20.8215,
22.0833

■ 9.9258, 15.3038,
17.3165

■ 22.9963, 21.9384,
22.6039

■ 9.9222, 15.3021,
17.3105

■ 25.4182, 23.1776,
23.1409

■ 28.0845, 24.5426,
23.6946

■ 31.0019, 26.0370,
24.2654

Harmonies

Analogous

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



13.3514, 16.9298, 15.2641



13.1770, 16.9298, 19.7128



13.7407, 16.9298, 24.5436

Triad

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



13.1770, 16.9298, 19.7128



18.1031, 16.9298, 26.4704



17.2972, 16.9298, 11.2884

Complementary

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



13.1770, 16.9298, 19.7128



12.0290, 9.6735, 8.6309

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.



18.6957, 16.9298, 13.4326



13.1770, 16.9298, 19.7128



19.1825, 16.9298, 22.0142

Square

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



13.1770, 16.9298, 19.7128



16.5319, 16.9298, 28.8535



19.4063, 16.9298, 17.2111



15.6585, 16.9298, 10.8836

Rectangle

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



13.1770, 16.9298, 19.7128



14.4832, 16.9298, 27.1619



19.4063, 16.9298, 17.2111



17.8141, 16.9298, 11.8097

Sweetspot

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



13.1775, 16.9305, 19.7132



29.9621, 33.5551, 37.5541



11.6039, 16.3542, 9.0239



6.9898, 7.8687, 8.8242



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.



13.1775, 16.9305, 19.7132



22.0303, 29.5238, 34.5789



11.3718, 12.8308, 20.6169



4.0903, 4.5057, 5.0093



10.2628, 15.8288, 17.9009



48.7731, 75.4323, 84.4323

Inverse Universe

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



12.0290, 9.6735, 8.6309



19.6681, 14.5723, 11.7664



13.3003, 12.4966, 8.1899



4.0134, 4.0211, 4.2682



8.5212, 4.3846, 0.7697



40.4919, 20.8531, 2.8546

Previews

White Background



This preview shows how the XYZ color 13.1770, 16.9298, 19.7128 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 13.1770, 16.9298, 19.7128 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 13.1770, 16.9298, 19.7128

Background



This preview shows how black text looks on a background with the XYZ color 13.1770, 16.9298, 19.7128.



This preview shows how white text looks on a background with the XYZ color 13.1770, 16.9298,

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

13.1770, 16.9298, 19.7128

Protanopia

16.0322, 16.6931, 17.7063

Deuteranopia

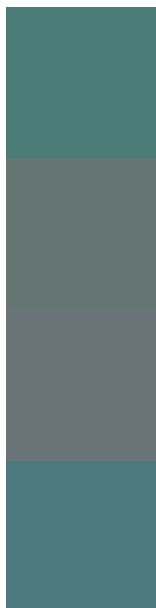
17.1617, 16.8869, 20.4441



Tritanopia

13.9947, 16.8912, 23.9955

Trichromacy



Original Color

13.1770, 16.9298, 19.7128

Protanomaly

14.7654, 16.7042, 18.3656

Deuteranomaly

15.3466, 16.6208, 20.1686

Tritanomaly

13.7059, 16.9619, 22.2903

Monochromacy



Original Color

13.1770, 16.9298, 19.7128

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.6536, 15.4669, 17.5950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1770, 16.9298, 19.7128 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(74, 123, 118)` looks like.

```
.text, #text, p{  
    color:rgb(74, 123, 118)  
}
```

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(74, 123, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 123, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.1770, 16.9298, 19.7128 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(74, 123, 118) }
```


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

```
.border{ border-color:rgb(74, 123, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 123, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 123, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 123, 118);  
box-shadow:4px 4px 4px 4px rgb(74, 123,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1770, 16.9298, 19.7128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 123, 118) }
```

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

```
.background{ background-color: rgb(74, 123,  
118) }
```

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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