

Converting Colors

XYZ(13.1851, 17.4949, 19.8215)

Have a look what the booklet for
XYZ(13.1851, 17.4949, 19.8215)
contains.

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Color

**XYZ(13.1851, 17.4949,
19.8215)**

Conversions

Conversions Part 1

Format	Color
Hex	457E76
RGB	69, 126, 118
RGB Percent	27%, 49%, 46%
CMY	0.7294, 0.5059, 0.5373
CMYK	0.45, 0.00, 0.06, 0.51
HSL	172°, 29%, 38%
HSV	172°, 45%, 49%
XYZ	13.1851, 17.4949, 19.8215
YIQ	108.0450, -31.4040, -14.5720

Conversions

Conversions Part 2

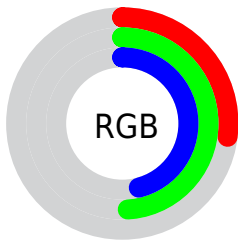
Format	Color
RYB	69, 100, 126
Decimal	4554358
CIELab	48.88, -20.81, -1.49
CIElCh	49, 20.866, 184.101
Yxy	17.4949, 0.2611, 0.3464
Android (android.graphics.Color)	4282744438 (0xFF457E76)
YUV	108.0450, 4.9078, -34.2425
Hunter-Lab	41.8269, -16.9285, 1.1817

Details

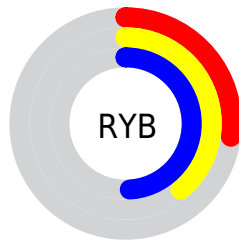
The XYZ color **13.1851, 17.4949, 19.8215** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0724, 9.2282, 8.1667**, and the grayscale version is **14.2599, 15.0025, 16.3377**.

A 20% lighter version of the original color is **31.2610, 39.2074, 43.9504**, and **3.9405, 5.8433, 6.7145** is the 20% darker color. If you saturate the color by 10%, you get **12.2805, 17.0410, 19.2359**, and if you desaturate by 10%, it is **14.2825, 18.0488, 20.4271**.

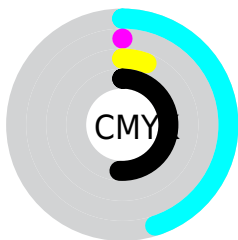
Distribution



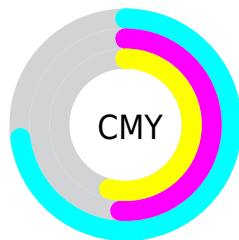
- Red (27%)
- Green (49%)
- Blue (46%)



- Red (27%)
- Yellow (39%)
- Blue (49%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)



- Cyan (73%)
- Magenta (51%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1851, 17.4949, 19.8215 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 13.1851, 17.4949, 19.8215 by changing the saturation by 10% instead.

■ 13.1851, 17.4949,
19.8215

■ 13.1851, 17.4949,
19.8215

205.7143,
238.0084, 263.5193

■ 7.6340, 10.5880,
12.0826

■ 31.2344, 39.1747,
43.9727

■ 3.9115, 5.7905,
6.6767

■ 44.4634, 54.7164,
61.2221

■ 1.6522, 2.7181,
3.1854

■ 60.9823, 73.9052,
82.4788

■ 0.4261, 0.9864,
1.1901

■ 81.1566, 97.1254,
108.1612

■ 0.0000, 0.0000,
0.0000

■ 105.3515,
124.7614, 138.6879

133.9326,

157.1977, 174.4775

167.2650,
194.8185, 215.9484

■ 13.1851, 17.4949,
19.8215

■ 13.1851, 17.4949,
19.8215

■ 12.2805, 17.0410,
19.2359

■ 14.2825, 18.0488,
20.4271

■ 11.5551, 16.6789,
18.6686

■ 15.5823, 18.7064,
21.0522

■ 10.9958, 16.4021,
18.1193

■ 17.0953, 19.4736,
21.6976

■ 10.5872, 16.2028,
17.5871

■ 18.8308, 20.3554,
22.3640

■ 10.3051, 16.0685,
17.0709

■ 20.7980, 21.3563,
23.0516

■ 10.1847, 16.0117,
16.8292

■ 23.0052, 22.4808,
23.7611

■ 25.4605, 23.7329,
24.4928

■ 28.1715, 25.1165,
25.2471

■ 31.1456, 26.6356,
26.0244

Harmonies

Analogous

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



13.4997, 17.4949, 14.7617



13.1851, 17.4949, 19.8215



13.7327, 17.4949, 25.6725

Triad

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



13.1851, 17.4949, 19.8215



18.8038, 17.4949, 29.3100



18.3078, 17.4949, 10.9785

Complementary

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



13.1851, 17.4949, 19.8215



12.0724, 9.2282, 8.1667

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.



19.9050, 17.4949, 13.6756



13.1851, 17.4949, 19.8215



20.2066, 17.4949, 24.0950

Square

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



13.1851, 17.4949, 19.8215



16.8960, 17.4949, 31.7831



20.6243, 17.4949, 18.2968



16.3636, 17.4949, 10.2717

Rectangle

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



13.1851, 17.4949, 19.8215



14.5399, 17.4949, 29.0550



20.6243, 17.4949, 18.2968



18.9079, 17.4949, 11.6527

Sweetspot

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



13.1856, 17.4956, 19.8219



30.3519, 34.4094, 38.2964



11.6407, 16.9528, 8.2892



6.7874, 7.7677, 8.6639



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.



13.1856, 17.4956, 19.8219



21.6121, 29.9931, 33.8557



11.3798, 13.0905, 21.6664



4.4213, 4.8768, 5.3897



10.4470, 16.4254, 17.2585



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0724, 9.2282, 8.1667



19.4047, 13.5450, 10.7036



13.2471, 12.0023, 7.2490



4.3505, 4.3533, 4.6501



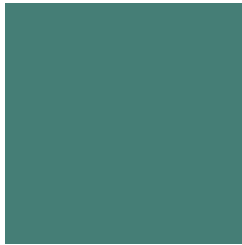
8.9354, 4.5939, 0.9836



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1851, 17.4949, 19.8215 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 13.1851, 17.4949, 19.8215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

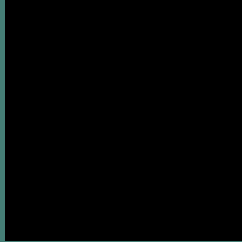
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1851, 17.4949, 19.8215

Background



This preview shows how black text looks on a background with the XYZ color 13.1851, 17.4949, 19.8215.



This preview shows how white text looks on a background with the XYZ color 13.1851, 17.4949,

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

13.1851, 17.4949, 19.8215

Protanopia

16.5266, 17.2829, 17.7941

Deuteranopia

17.5575, 17.2539, 20.4941



Tritanopia

14.3348, 17.5924, 25.1944

Trichromacy



Original Color

13.1851, 17.4949, 19.8215

Protanomaly

14.8896, 17.1179, 18.4389

Deuteranomaly

15.4604, 17.0217, 20.2400

Tritanomaly

13.9024, 17.6035, 23.0871

Monochromacy



Original Color

13.1851, 17.4949, 19.8215

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.6715, 15.8110, 17.6605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1851, 17.4949, 19.8215 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(69, 126, 118)` looks like.

```
.text, #text, p{  
    color:rgb(69, 126, 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(69, 126, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 126, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.1851, 17.4949, 19.8215 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(69, 126, 118) }
```


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

```
.border{ border-color:rgb(69, 126, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 126, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 126, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 126, 118);  
box-shadow:4px 4px 4px 4px rgb(69, 126,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1851, 17.4949, 19.8215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 126, 118) }
```

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

```
.background{ background-color: rgb(69, 126,  
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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