

Converting Colors

XYZ(13.4079, 17.8716, 21.0186)

Have a look what the booklet for
XYZ(13.4079, 17.8716, 21.0186)
contains.

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Color

**XYZ(13.4788, 18.0017,
21.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	42807A
RGB	66, 128, 122
RGB Percent	26%, 50%, 48%
CMY	0.7412, 0.4980, 0.5216
CMYK	0.48, 0.00, 0.05, 0.50
HSL	174°, 32%, 38%
HSV	174°, 48%, 50%
XYZ	13.4788, 18.0017, 21.1766
YIQ	108.7780, -35.0260, -15.0100

Conversions

Conversions Part 2

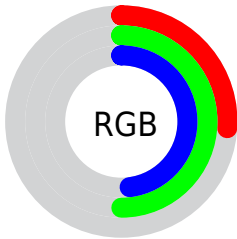
Format	Color
RYB	66, 99, 128
Decimal	4358266
CIELab	49.50, -21.58, -2.95
CIELCh	49, 21.780, 187.781
Yxy	18.0017, 0.2560, 0.3419
Android (android.graphics.Color)	4282548346 (0xFF42807A)
YUV	108.7780, 6.5184, -37.5163
Hunter-Lab	42.4284, -17.5432, 0.1074

Details

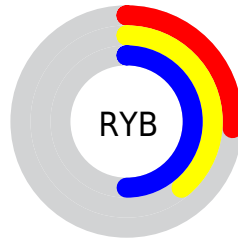
The XYZ color **13.4788, 18.0017, 21.1766** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0206, 8.9541, 7.2264**, and the grayscale version is **14.4627, 15.2158, 16.5700**.

A 20% lighter version of the original color is **31.7716, 40.0257, 46.0956**, and **3.9896, 5.9621, 7.2439** is the 20% darker color. If you saturate the color by 10%, you get **12.6349, 17.5759, 20.7393**, and if you desaturate by 10%, it is **14.5177, 18.5288, 21.6290**.

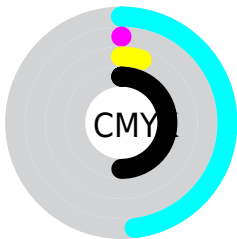
Distribution



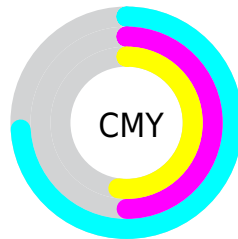
- Red (26%)
- Green (50%)
- Blue (48%)



- Red (26%)
- Yellow (39%)
- Blue (50%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (50%)



- Cyan (74%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4788, 18.0017, 21.1766 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 13.4788, 18.0017, 21.1766 by changing the saturation by 10% instead.

■ 13.4788, 18.0017,
21.1766

■ 13.4788, 18.0017,
21.1766

207.5400,
240.8806, 271.0274

■ 7.8383, 10.9512,
13.0607

■ 31.7554, 40.0402,
46.2659

■ 4.0426, 6.0340,
7.3391

■ 45.1222, 55.7970,
64.0763

■ 1.7263, 2.8658,
3.5934

■ 61.7952, 75.2248,
85.9552

■ 0.4726, 1.0621,
1.4051

■ 82.1397, 98.7078,
112.3213

■ 0.0000, 0.0000,
0.1457

■ 106.5211,
126.6305, 143.5930

■ 0.0000, 0.0000,
0.0000

135.3047,

159.3772, 180.1889

168.8559,
197.3325, 222.5275

■ 13.4788, 18.0017,
21.1766

■ 13.4788, 18.0017,
21.1766

■ 12.6349, 17.5759,
20.7393

■ 14.5177, 18.5288,
21.6290

■ 11.9715, 17.2426,
20.3151

■ 15.7620, 19.1612,
22.0957

■ 11.4744, 16.9950,
19.9037

■ 17.2231, 19.9052,
22.5777

■ 11.1268, 16.8242,
19.5044

■ 18.9109, 20.7661,
23.0755

■ 10.8856, 16.7082,
19.1151

■ 20.8352, 21.7487,
23.5895

■ 10.8493, 16.6908,
19.0548

■ 23.0047, 22.8576,
24.1202

■ 25.4280, 24.0973,
24.6681

■ 28.1131, 25.4718,
25.2334

■ 31.0677, 26.9851,
25.8165

Harmonies

Analogous

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



13.6997, 18.0017, 15.6173



13.4788, 18.0017, 21.1766



14.1672, 18.0017, 27.4021

Triad

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



13.4788, 18.0017, 21.1766



19.6526, 18.0017, 30.0002



18.6517, 18.0017, 10.8648

Complementary

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



13.4788, 18.0017, 21.1766



12.0206, 8.9541, 7.2264

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.



20.4346, 18.0017, 13.4414



13.4788, 18.0017, 21.1766



21.0441, 18.0017, 24.2099

Square

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



13.4788, 18.0017, 21.1766



17.6518, 18.0017, 33.1215



21.3412, 18.0017, 18.1052



16.5795, 18.0017, 10.3746

Rectangle

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



13.4788, 18.0017, 21.1766



15.0844, 18.0017, 30.8463



21.3412, 18.0017, 18.1052



19.3094, 18.0017, 11.4865

Sweetspot

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



13.4793, 18.0024, 21.1770



31.1979, 35.4912, 40.0181



11.3905, 17.2178, 7.8778



7.1856, 8.2489, 9.3332



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.



13.4793, 18.0024, 21.1770



22.1274, 30.8848, 36.4454



11.0138, 12.4578, 22.2469



4.4291, 4.8799, 5.4306



10.7578, 16.5497, 18.8950



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0206, 8.9541, 7.2264



19.2481, 12.9757, 8.8720



13.6101, 12.4312, 6.8369



4.3434, 4.3505, 4.6127



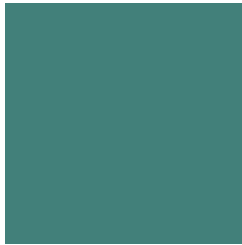
8.8955, 4.5779, 0.7737



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4788, 18.0017, 21.1766 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 13.4788, 18.0017, 21.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

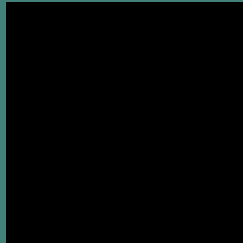
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4788, 18.0017, 21.1766

Background



This preview shows how black text looks on a background with the XYZ color 13.4788, 18.0017, 21.1766.



This preview shows how white text looks on a background with the XYZ color 13.4788, 18.0017,

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

13.4788, 18.0017, 21.1766

Protanopia

17.2015, 17.9535, 18.7784

Deuteranopia

18.1764, 17.8753, 21.8943



Tritanopia

14.4306, 18.0014, 26.0066

Trichromacy



Original Color

13.4788, 18.0017, 21.1766

Protanomaly

15.3629, 17.6921, 19.7447

Deuteranomaly

15.9438, 17.5919, 21.6240

Tritanomaly

14.1403, 18.0826, 24.2178

Monochromacy



Original Color

13.4788, 18.0017, 21.1766

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7969, 16.0328, 18.2871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4788, 18.0017, 21.1766 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(66, 128, 122) looks like.

```
.text, #text, p{  
    color:rgb(66, 128, 122)  
}
```

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(66, 128, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 128, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.4788, 18.0017, 21.1766 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(66, 128, 122) }
```


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

```
.border{ border-color:rgb(66, 128, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 128, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 128, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 128, 122);  
box-shadow:4px 4px 4px 4px rgb(66, 128,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4788, 18.0017, 21.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 128, 122) }
```

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

```
.background{ background-color: rgb(66, 128,  
122) }
```

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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