

Converting Colors

XYZ(13.4380, 21.1534, 20.9147)

Have a look what the booklet for
XYZ(13.4380, 21.1534, 20.9147)
contains.

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Color

**XYZ(13.4017, 21.1054,
20.8202)**

Conversions

Conversions Part 1

Format	Color
Hex	128F77
RGB	18, 143, 119
RGB Percent	7%, 56%, 47%
CMY	0.9294, 0.4392, 0.5333
CMYK	0.87, 0.00, 0.17, 0.44
HSL	168°, 78%, 32%
HSV	168°, 87%, 56%
XYZ	13.4017, 21.1054, 20.8202
YIQ	102.8890, -66.7960, -33.9640

Conversions

Conversions Part 2

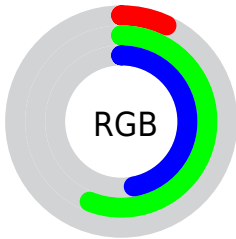
Format	Color
RYB	18, 87, 143
Decimal	1216375
CIELab	53.06, -37.45, 3.85
CIELCh	53, 37.648, 174.124
Yxy	21.1054, 0.2422, 0.3815
Android (android.graphics.Color)	4279406455 (0xFF128F77)
YUV	102.8890, 7.9427, -74.4477
Hunter-Lab	45.9406, -28.3244, 5.2883

Details

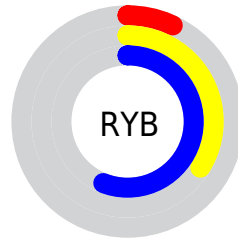
The XYZ color **13.4017, 21.1054, 20.8202** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.9627, 6.4400, 2.8041**, and the grayscale version is **12.8562, 13.5257, 14.7295**.

A 20% lighter version of the original color is **31.7612, 45.5021, 45.6369**, and **4.9645, 8.1092, 7.2648** is the 20% darker color. If you saturate the color by 10%, you get **13.0365, 20.9364, 19.9550**, and if you desaturate by 10%, it is **13.9254, 21.3565, 21.7186**.

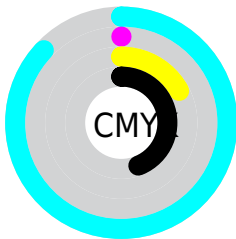
Distribution



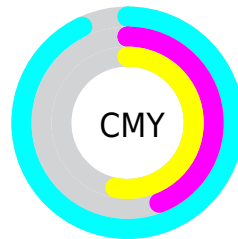
- Red (7%)
- Green (56%)
- Blue (47%)



- Red (7%)
- Yellow (34%)
- Blue (56%)



- Cyan (87%)
- Magenta (0%)
- Yellow (17%)
- Black (44%)




- Cyan (93%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4017, 21.1054, 20.8202 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 13.4017, 21.1054, 20.8202 by changing the saturation by 10% instead.


 13.4017, 21.1054,
20.8202


 13.4017, 21.1054,
20.8202


207.0623,
257.8381, 269.0710


 7.7846, 13.2011,
12.8027


 31.6188, 45.2629,
45.6650


 4.0081, 7.5671,
7.1637


 44.9496, 62.2848,
63.3294


 1.7067, 3.8192,
3.4847

 61.5823, 83.1148,
85.0464

 0.4605, 1.5730,
1.3471

 81.8822, 108.1371,
111.2347

 0.0000, 0.3393,
0.1000

 106.2149,
137.7362, 142.3128

 0.0000, 0.0000,
0.0000

 134.9455,

172.2964, 178.6991

168.4396,
212.2023, 220.8124

■ 13.4017, 21.1054,
20.8202

■ 13.4017, 21.1054,
20.8202

■ 13.0365, 20.9364,
19.9550

■ 13.9254, 21.3565,
21.7186

■ 12.9486, 20.8959,
19.7348

■ 14.6466, 21.7085,
22.6509

■ 15.5882, 22.1734,
23.6188

■ 16.7693, 22.7613,
24.6234

■ 18.2070, 23.4809,
25.6656

■ 19.9168, 24.3401,
26.7465

■ 21.9129, 25.3464,
27.8668

■ 24.2086, 26.5066,
29.0275

■ 26.8162, 27.8270,
30.2291

Harmonies

Analogous

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



14.5035, 21.1054, 12.4271



13.4017, 21.1054, 20.8202



13.8848, 21.1054, 33.0897

Triad

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



13.4017, 21.1054, 20.8202



23.3343, 21.1054, 49.1658



24.8590, 21.1054, 9.4568

Complementary

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



13.4017, 21.1054, 20.8202



11.9627, 6.4400, 2.8041

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.



27.8388, 21.1054, 15.1731



13.4017, 21.1054, 20.8202



26.8806, 21.1054, 38.2668

Square

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



13.4017, 21.1054, 20.8202



19.2909, 21.1054, 52.1967



28.6233, 21.1054, 25.2846



20.8493, 21.1054, 7.4022

Rectangle

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



13.4017, 21.1054, 20.8202



15.0777, 21.1054, 41.7410



28.6233, 21.1054, 25.2846



26.0343, 21.1054, 10.9002

Sweetspot

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



13.4023, 21.1062, 20.8207



35.9521, 43.7317, 48.0662



10.9287, 20.2031, 3.8963



8.0126, 9.9119, 10.8835



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4023, 21.1062, 20.8207



23.1283, 37.3961, 35.0248



10.3109, 12.3182, 27.8217



5.5165, 6.0988, 6.6856



11.4559, 18.4782, 17.4869



0.1169, 0.1796, 0.2060

Inverse Universe

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



11.9627, 6.4400, 2.8041



20.6007, 10.5837, 2.6058



12.8278, 8.6645, 1.5690



5.4486, 5.4400, 5.8603



10.2017, 5.2377, 1.4477



0.1038, 0.0526, 0.0469

Previews

White Background



This preview shows how the XYZ color 13.4017, 21.1054, 20.8202 looks on a white 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

Black Background



This preview shows how the XYZ color 13.4017, 21.1054, 20.8202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

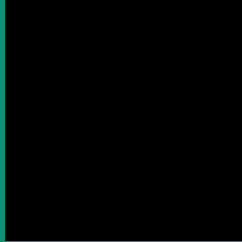
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4017, 21.1054, 20.8202

Background



This preview shows how black text looks on a background with the XYZ color 13.4017, 21.1054, 20.8202.

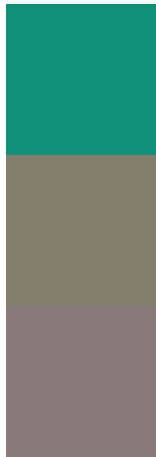


This preview shows how white text looks on a background with the XYZ color 13.4017, 21.1054,

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

13.4017, 21.1054, 20.8202

Protanopia

19.7910, 20.9530, 17.7531

Deuteranopia

21.2451, 20.8633, 21.9761



Tritanopia

15.7763, 21.2027, 32.1152

Trichromacy



Original Color

13.4017, 21.1054, 20.8202

Protanomaly

15.5463, 19.9189, 18.6481

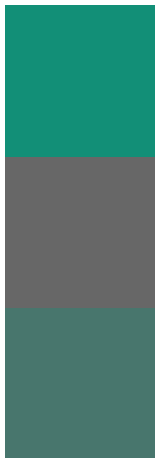
Deuteranomaly

16.2148, 19.8033, 21.3802

Tritanomaly

14.7314, 20.9776, 27.6987

Monochromacy



Original Color

13.4017, 21.1054, 20.8202

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.9112, 15.4387, 16.8202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4017, 21.1054, 20.8202 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(18, 143, 119)` looks like.

```
.text, #text, p{  
    color:rgb(18, 143, 119)  
}
```

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(18, 143, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 143, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.4017, 21.1054, 20.8202 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(18, 143, 119) }
```


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

```
.border{ border-color:rgb(18, 143, 119) }
```

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

Here you see how a box with a 4 pixel rgb(18, 143, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 143, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 143, 119);  
box-shadow:4px 4px 4px 4px rgb(18, 143,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4017, 21.1054, 20.8202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 143, 119) }
```

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

```
.background{ background-color: rgb(18, 143,  
119) }
```

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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