

Converting Colors

XYZ(13.1048, 16.9932, 30.6066)

Have a look what the booklet for
XYZ(13.1048, 16.9932, 30.6066)
contains.

XYZ(13.1309, 17.0384, 30.6136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1309, 17.0384,
30.6136)**

Conversions

Conversions Part 1

Format	Color
Hex	1B7D94
RGB	27, 125, 148
RGB Percent	11%, 49%, 58%
CMY	0.8941, 0.5098, 0.4196
CMYK	0.82, 0.16, 0.00, 0.42
HSL	191°, 69%, 34%
HSV	191°, 82%, 58%
XYZ	13.1309, 17.0384, 30.6136
YIQ	98.3200, -65.7910, -13.6230

Conversions

Conversions Part 2

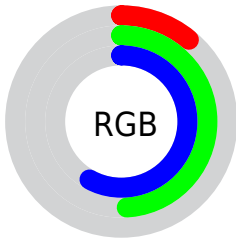
Format	Color
RYB	27, 81, 148
Decimal	1801620
CIELab	48.31, -18.71, -20.15
CIELCh	48, 27.497, 227.111
Yxy	17.0384, 0.2160, 0.2803
Android (android.graphics.Color)	4279991700 (0xFF1B7D94)
YUV	98.3200, 24.4922, -62.5476
Hunter-Lab	41.2776, -15.4528, -15.0782

Details

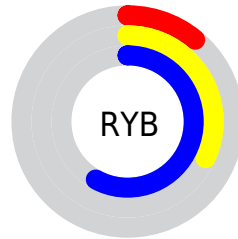
The XYZ color **13.1309, 17.0384, 30.6136** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **13.5518, 8.6571, 1.9942**, and the grayscale version is **11.6427, 12.2490, 13.3392**.

A 20% lighter version of the original color is **31.1972, 38.4847, 61.6611**, and **4.7421, 6.0320, 12.2236** is the 20% darker color. If you saturate the color by 10%, you get **12.4826, 16.1833, 30.4830**, and if you desaturate by 10%, it is **13.9875, 18.0166, 30.7576**.

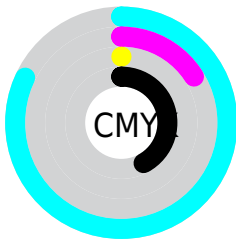
Distribution



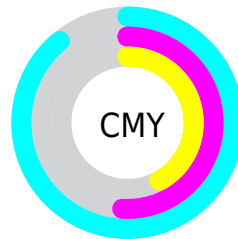
- Red (11%)
- Green (49%)
- Blue (58%)



- Red (11%)
- Yellow (32%)
- Blue (58%)



- Cyan (82%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)



- Cyan (89%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1309, 17.0384, 30.6136 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 13.1309, 17.0384, 30.6136 by changing the saturation by 10% instead.

■ 13.1309, 17.0384,
30.6136

■ 13.1309, 17.0384,
30.6136

■ 205.3756,
235.3936, 319.0501

■ 7.5964, 10.2619,
20.0488

■ 31.1381, 38.3918,
61.7036

■ 3.8874, 5.5729,
12.2461

■ 44.3414, 53.7374,
83.0660

■ 1.6386, 2.5872,
6.7869

■ 60.8317, 72.7082,
108.8645

■ 0.4174, 0.9202,
3.2528

■ 80.9744, 95.6886,
139.5179

■ 0.0000, 0.0000,
1.2251

■ 105.1348,
123.0629, 175.4446

■ 0.0000, 0.0000,
0.0000

■ 133.6782,

155.2156, 217.0632

166.9700,
192.5310, 264.7922

■ 13.1309, 17.0384,
30.6136

■ 13.1309, 17.0384,
30.6136

■ 12.4826, 16.1833,
30.4830

■ 13.9875, 18.0166,
30.7576

■ 12.0459, 15.5393,
30.3818

■ 15.0770, 19.1296,
30.9150

■ 16.4222, 20.3896,
31.0873

■ 18.0426, 21.8068,
31.2755

■ 19.9558, 23.3905,
31.4803

■ 22.1780, 25.1490,
31.7026

■ 24.7240, 27.0901,
31.9431

■ 27.6078, 29.2211,
32.2024

■ 30.8424, 31.5489,
32.4812

Harmonies

Analogous

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



12.0112, 17.0384, 22.9165



13.1309, 17.0384, 30.6136



15.1430, 17.0384, 35.5217

Triad

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



13.1309, 17.0384, 30.6136



21.3615, 17.0384, 21.8043



14.8175, 17.0384, 8.2399

Complementary

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



13.1309, 17.0384, 30.6136



13.5518, 8.6571, 1.9942

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.



17.2935, 17.0384, 8.0877



13.1309, 17.0384, 30.6136



21.2512, 17.0384, 14.7800

Square

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



13.1309, 17.0384, 30.6136



19.9885, 17.0384, 29.6205



19.7010, 17.0384, 10.1653



12.9138, 17.0384, 10.6544

Rectangle

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



13.1309, 17.0384, 30.6136



16.7985, 17.0384, 35.8955



19.7010, 17.0384, 10.1653



15.6052, 17.0384, 7.9495

Sweetspot

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



13.1315, 17.0390, 30.6140



37.5961, 43.1735, 55.7864



11.6007, 21.6365, 6.4918



8.2982, 9.6304, 12.7063



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.1315, 17.0390, 30.6140



21.3047, 27.4479, 53.6097



7.7065, 6.1891, 28.8057



5.8714, 6.3768, 7.3911



10.3077, 13.3101, 25.9569



0.1455, 0.2017, 0.3242

Inverse Universe

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



16.3068, 8.5610, 20.1957



27.5592, 13.5794, 32.4540



17.9530, 17.4595, 3.4613



5.9885, 5.8905, 7.0458



13.3299, 6.5370, 15.7502



0.1729, 0.0839, 0.2443

Previews

White Background



This preview shows how the XYZ color 13.1309, 17.0384, 30.6136 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 13.1309, 17.0384, 30.6136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

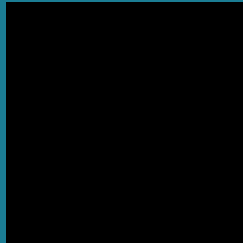
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

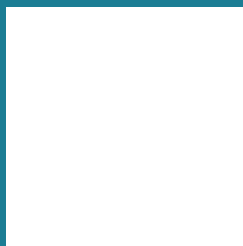
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1309, 17.0384, 30.6136

Background



This preview shows how black text looks on a background with the XYZ color 13.1309, 17.0384, 30.6136.

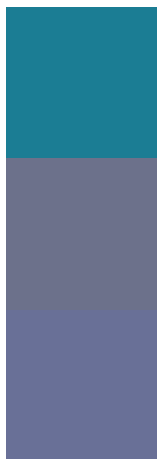


This preview shows how white text looks on a background with the XYZ color 13.1309, 17.0384,

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

13.1309, 17.0384, 30.6136

Protanopia

16.7497, 16.8625, 26.7981

Deuteranopia

17.2058, 16.8260, 31.6190



Tritanopia

12.1924, 17.0301, 26.3114

Trichromacy



Original Color

13.1309, 17.0384, 30.6136

Protanomaly

14.4682, 16.3378, 27.9821

Deuteranomaly

14.9269, 16.5024, 31.2527

Tritanomaly

12.4497, 16.9382, 27.8125

Monochromacy



Original Color

13.1309, 17.0384, 30.6136

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.1874, 13.3638, 18.5128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1309, 17.0384, 30.6136 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(27, 125, 148)` looks like.

```
.text, #text, p{  
    color:rgb(27, 125, 148)  
}
```

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(27, 125, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 125, 148) }
```

Border

The CSS property to change the border of an element to XYZ 13.1309, 17.0384, 30.6136 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(27, 125, 148) }
```


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

```
.border{ border-color:rgb(27, 125, 148) }
```

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

Here you see how a box with a 4 pixel rgb(27, 125, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 125, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 125, 148);  
box-shadow:4px 4px 4px 4px rgb(27, 125,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1309, 17.0384, 30.6136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 125, 148) }
```

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

```
.background{ background-color: rgb(27, 125,  
148) }
```

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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