

Converting Colors

XYZ(5.9246, 14.5980, 13.4625)

Have a look what the booklet for
XYZ(5.9246, 14.5980, 13.4625)
contains.

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Color

**XYZ(10.0940, 16.8098,
13.7789)**

Conversions

Conversions Part 1

Format	Color
Hex	008260
RGB	0, 130, 96
RGB Percent	0%, 51%, 38%
CMY	0.9999, 0.4902, 0.6235
CMYK	1.00, 0.00, 0.26, 0.49
HSL	164°, 100%, 25%
HSV	164°, 100%, 51%
XYZ	10.0940, 16.8098, 13.7789
YIQ	87.2540, -66.5660, -38.1340

Conversions

Conversions Part 2

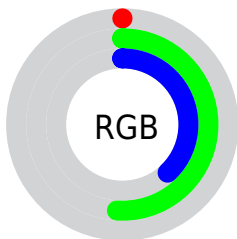
Format	Color
RYB	0, 75, 130
Decimal	33376
CIELab	48.02, -39.17, 9.97
CIELCh	48, 40.414, 165.722
Yxy	16.8098, 0.2481, 0.4132
Android (android.graphics.Color)	4278223456 (0xFF008260)
YUV	87.2540, 4.3118, -76.5218
Hunter-Lab	40.9998, -27.8035, 8.7741

Details

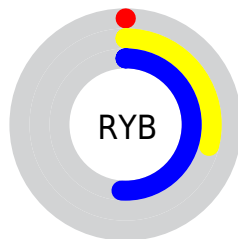
The XYZ color **10.0940, 16.8098, 13.7789** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.4953, 4.8619, 1.9525**, and the grayscale version is **9.1162, 9.5910, 10.4446**.

A 20% lighter version of the original color is **25.7152, 38.0930, 33.6011**, and **3.3717, 5.8223, 3.9637** is the 20% darker color. If you saturate the color by 10%, you get **10.0941, 16.8103, 13.7784**, and if you desaturate by 10%, it is **10.4205, 16.9600, 14.6297**.

Distribution



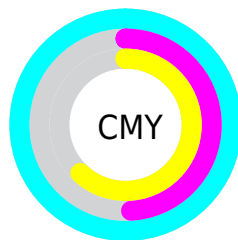
- Red (0%)
- Green (51%)
- Blue (38%)



- Red (0%)
- Yellow (29%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.0940, 16.8098, 13.7789 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 10.0940, 16.8098, 13.7789 by changing the saturation by 10% instead.


 10.0940, 16.8098,
13.7789


 10.0940, 16.8098,
13.7789

185.3813,
234.0739, 227.2314


 5.5241, 10.0990,
7.8301


 25.6202, 37.9985,
33.4077


 2.5958, 5.4646,
3.9002

 37.3072, 53.2451,
47.9247


 0.9438, 2.5224,
1.5707

 52.0973, 72.1058,
66.1348

 0.0000, 0.8878,
0.2698

 70.3558, 94.9649,
88.4566

 0.0000, 0.0000,
0.0000

 92.4481, 122.2069,
115.3086

 118.7396,

154.2162, 147.1094

149.5955,
191.3770, 184.2775

■ 10.0940, 16.8098,
13.7789

■ 10.0940, 16.8098,
13.7789

■ 10.0941, 16.8103,
13.7784

■ 10.4205, 16.9600,
14.6297

■ 10.8475, 17.1609,
15.5206

■ 11.4322, 17.4423,
16.4551

■ 12.1928, 17.8134,
17.4345

■ 13.1447, 18.2825,
18.4599

■ 14.3020, 18.8565,
19.5323

■ 15.6771, 19.5421,
20.6528

■ 17.2817, 20.3450,
21.8223

■ 19.1263, 21.2709,
23.0417

Harmonies

Analogous

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



11.4598, 16.8098, 7.5493



10.0940, 16.8098, 13.7789



10.1277, 16.8098, 24.3091

Triad

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



10.0940, 16.8098, 13.7789



17.9559, 16.8098, 45.2776



21.3963, 16.8098, 7.3525

Complementary

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



10.0940, 16.8098, 13.7789



9.4953, 4.8619, 1.9525

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.



23.7320, 16.8098, 13.3779



10.0940, 16.8098, 13.7789



21.5487, 16.8098, 36.2325

Square

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



10.0940, 16.8098, 13.7789



14.3077, 16.8098, 45.5178



23.7916, 16.8098, 23.7226



17.7718, 16.8098, 4.9151

Rectangle

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



10.0940, 16.8098, 13.7789



10.9288, 16.8098, 32.7293



23.7916, 16.8098, 23.7226



22.3810, 16.8098, 8.8954

Sweetspot

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



10.0945, 16.8105, 13.7793



27.4278, 34.3241, 36.2311



8.6652, 16.3176, 2.6933



6.0080, 7.6692, 8.0424



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.



10.0945, 16.8105, 13.7793



17.7138, 29.5784, 23.9366



8.5553, 10.6633, 22.7271



4.3999, 4.8683, 5.2771



9.6812, 16.1191, 13.2260



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.4953, 4.8619, 1.9525



16.6674, 8.5398, 3.1550



9.6794, 5.6921, 0.5889



4.3704, 4.3613, 4.7549



9.1065, 4.6623, 1.8846



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0940, 16.8098, 13.7789 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 10.0940, 16.8098, 13.7789 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 10.0940, 16.8098, 13.7789

Background



This preview shows how black text looks on a background with the XYZ color 10.0940, 16.8098, 13.7789.



This preview shows how white text looks on a background with the XYZ color 10.0940, 16.8098,

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

10.0940, 16.8098, 13.7789

Protanopia

15.5517, 16.5798, 11.6131

Deuteranopia

16.8709, 16.5440, 14.6160



Tritanopia

12.6616, 16.9087, 25.5180

Trichromacy



Original Color

10.0940, 16.8098, 13.7789

Protanomaly

11.5457, 15.5268, 12.2860

Deuteranomaly

12.0931, 15.4173, 14.1428

Tritanomaly

11.4926, 16.7922, 20.7247

Monochromacy



Original Color

10.0940, 16.8098, 13.7789

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.2713, 11.2509, 11.4086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0940, 16.8098, 13.7789 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(0, 130, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 96)  
}
```

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(0, 130, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 96) }
```

Border

The CSS property to change the border of an element to XYZ 10.0940, 16.8098, 13.7789 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(0, 130, 96) }
```


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

```
.border{ border-color:rgb(0, 130, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0940, 16.8098, 13.7789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 96) }
```

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

```
.background{ background-color: rgb(0, 130,  
96) }
```

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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