

Converting Colors

XYZ(13.6311, 18.9162, 30.1272)

Have a look what the booklet for
XYZ(13.6311, 18.9162, 30.1272)
contains.

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Color

**XYZ(13.6009, 18.8633,
30.1183)**

Conversions

Conversions Part 1

Format	Color
Hex	028592
RGB	2, 133, 146
RGB Percent	1%, 52%, 57%
CMY	0.9921, 0.4784, 0.4274
CMYK	0.99, 0.09, 0.00, 0.43
HSL	185°, 97%, 29%
HSV	185°, 99%, 57%
XYZ	13.6009, 18.8633, 30.1183
YIQ	95.3130, -82.2490, -23.7290

Conversions

Conversions Part 2

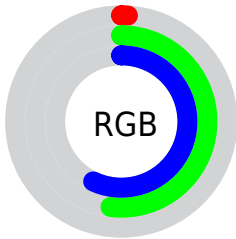
Format	Color
RYB	2, 71, 146
Decimal	165266
CIELab	50.53, -25.23, -15.61
CIELCh	51, 29.668, 211.748
Yxy	18.8633, 0.2173, 0.3014
Android (android.graphics.Color)	4278355346 (0xFF028592)
YUV	95.3130, 24.9887, -81.8355
Hunter-Lab	43.4319, -20.1077, -10.7129

Details

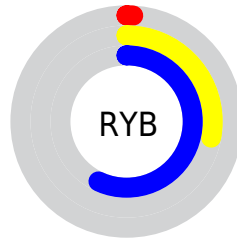
The XYZ color **13.6009, 18.8633, 30.1183** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.0365, 6.4578, 0.6702**, and the grayscale version is **10.9102, 11.4784, 12.5000**.

A 20% lighter version of the original color is **32.1261, 41.7370, 61.0064**, and **5.2046, 7.0310, 12.1491** is the 20% darker color. If you saturate the color by 10%, you get **13.5512, 18.8009, 30.1092**, and if you desaturate by 10%, it is **13.9823, 19.3299, 30.1886**.

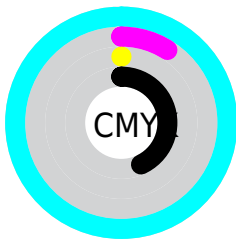
Distribution



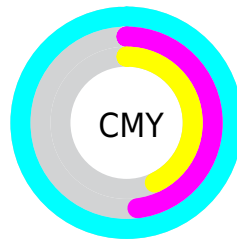
- Red (1%)
- Green (52%)
- Blue (57%)



- Red (1%)
- Yellow (28%)
- Blue (57%)



- Cyan (99%)
- Magenta (9%)
- Yellow (0%)
- Black (43%)



- Cyan (99%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6009, 18.8633, 30.1183 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 13.6009, 18.8633, 30.1183 by changing the saturation by 10% instead.

■ 13.6009, 18.8633,
30.1183

■ 13.6009, 18.8633,
30.1183

■ 208.2944,
245.6931, 316.6799

■ 7.9235, 11.5715,
19.6756

■ 31.9714, 41.5030,
60.9124

■ 4.0974, 6.4526,
11.9777

■ 45.3952, 57.6197,
82.1009

■ 1.7574, 3.1222,
6.6061

■ 62.1318, 77.4469,
107.7084

■ 0.4918, 1.1959,
3.1423

■ 82.5465, 101.3688,
138.1535

■ 0.0000, 0.0583,
1.1678

■ 107.0048,
129.7701, 173.8546

■ 0.0000, 0.0000,
0.0000

■ 135.8720,

163.0349, 215.2304

169.5134,
201.5478, 262.6993

■ 13.6009, 18.8633,
30.1183

■ 13.6009, 18.8633,
30.1183

■ 13.5512, 18.8009,
30.1092

■ 13.9823, 19.3299,
30.1886

■ 14.5135, 19.8767,
30.2662

■ 15.2467, 20.5310,
30.3538

■ 16.2055, 21.3051,
30.4527

■ 17.4106, 22.2096,
30.5638

■ 18.8801, 23.2537,
30.6879

■ 20.6305, 24.4461,
30.8258

■ 22.6769, 25.7945,
30.9782

■ 25.0333, 27.3063,
31.1458

Harmonies

Analogous

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



12.9220, 18.8633, 21.0291



13.6009, 18.8633, 30.1183



15.4218, 18.8633, 38.0196

Triad

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



13.6009, 18.8633, 30.1183



23.2914, 18.8633, 29.0442



17.7597, 18.8633, 8.3724

Complementary

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



13.6009, 18.8633, 30.1183



12.0365, 6.4578, 0.6702

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.



20.6942, 18.8633, 9.4557



13.6009, 18.8633, 30.1183



24.0864, 18.8633, 20.0565

Square

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



13.6009, 18.8633, 30.1183



21.0195, 18.8633, 37.2912



23.0898, 18.8633, 13.2423



15.1573, 18.8633, 9.7486

Rectangle

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



13.6009, 18.8633, 30.1183



17.1421, 18.8633, 40.6934



23.0898, 18.8633, 13.2423



18.7396, 18.8633, 8.4593

Sweetspot

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



13.6015, 18.8640, 30.1188



35.7378, 42.6843, 54.3289



10.3838, 20.6029, 3.8457



7.6882, 9.3178, 12.0655



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.



13.6015, 18.8640, 30.1188



23.8412, 33.0381, 53.0940



6.9371, 5.5352, 27.8973



5.9198, 6.4736, 7.4073



11.9333, 16.5614, 26.4988



0.1566, 0.2238, 0.3278

Inverse Universe

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



16.1100, 7.8485, 22.8568



28.3260, 13.7461, 40.0206



15.1939, 12.7728, 1.7227



6.0130, 5.9003, 7.1745



14.1505, 6.8652, 20.0711



0.1785, 0.0862, 0.2737

Previews

White Background



This preview shows how the XYZ color 13.6009, 18.8633, 30.1183 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 13.6009, 18.8633, 30.1183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

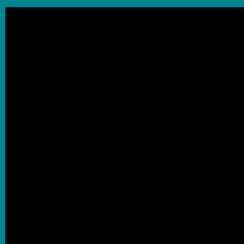
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6009, 18.8633, 30.1183

Background



This preview shows how black text looks on a background with the XYZ color 13.6009, 18.8633, 30.1183.

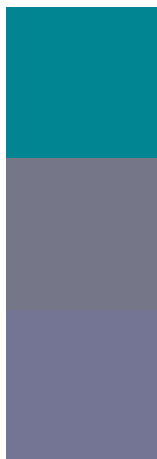


This preview shows how white text looks on a background with the XYZ color 13.6009, 18.8633,

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

13.6009, 18.8633, 30.1183

Protanopia

18.4483, 18.7817, 26.3198

Deuteranopia

18.9886, 18.6055, 31.0242



Tritanopia

13.4216, 18.7887, 29.3047

Trichromacy



Original Color

13.6009, 18.8633, 30.1183

Protanomaly

14.8429, 17.8046, 27.4653

Deuteranomaly

15.3299, 17.7999, 30.6447

Tritanomaly

13.5109, 18.8258, 29.7097

Monochromacy



Original Color

13.6009, 18.8633, 30.1183

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.4304, 13.1443, 17.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6009, 18.8633, 30.1183 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(2, 133, 146)` looks like.

```
.text, #text, p{  
    color:rgb(2, 133, 146)  
}
```

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(2, 133, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 133, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.6009, 18.8633, 30.1183 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(2, 133, 146) }
```


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

```
.border{ border-color:rgb(2, 133, 146) }
```

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

Here you see how a box with a 4 pixel rgb(2, 133, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 133, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 133, 146);  
box-shadow:4px 4px 4px 4px rgb(2, 133,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6009, 18.8633, 30.1183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 133, 146) }
```

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

```
.background{ background-color: rgb(2, 133,  
146) }
```

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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