

Converting Colors

XYZ(10.2907, 18.6973, 8.2867)

Have a look what the booklet for
XYZ(10.2907, 18.6973, 8.2867)
contains.

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Color

**XYZ(10.2688, 18.6719,
8.2171)**

Conversions

Conversions Part 1

Format	Color
Hex	0F8A42
RGB	15, 138, 66
RGB Percent	6%, 54%, 26%
CMY	0.9412, 0.4588, 0.7412
CMYK	0.89, 0.00, 0.52, 0.46
HSL	145°, 80%, 30%
HSV	145°, 89%, 54%
XYZ	10.2688, 18.6719, 8.2171
YIQ	93.0150, -50.1960, -48.4680

Conversions

Conversions Part 2

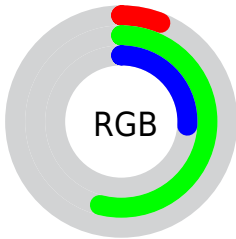
Format	Color
RYB	15, 102, 138
Decimal	1018434
CIELab	50.30, -47.64, 29.79
CIElCh	50, 56.191, 147.979
Yxy	18.6719, 0.2764, 0.5025
Android (android.graphics.Color)	4279208514 (0xFF0F8A42)
YUV	93.0150, -13.3184, -68.4192
Hunter-Lab	43.2110, -33.1999, 18.9730

Details

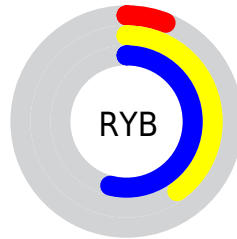
The XYZ color **10.2688, 18.6719, 8.2171** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.3727, 6.4332, 9.6060**, and the grayscale version is **10.4466, 10.9907, 11.9688**.

A 20% lighter version of the original color is **26.0022, 41.3562, 22.8317**, and **3.4453, 6.7026, 1.7282** is the 20% darker color. If you saturate the color by 10%, you get **9.8657, 18.4902, 7.0419**, and if you desaturate by 10%, it is **10.8286, 18.9315, 9.5761**.

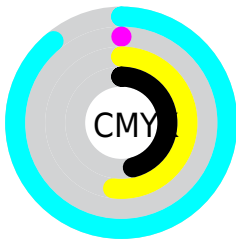
Distribution



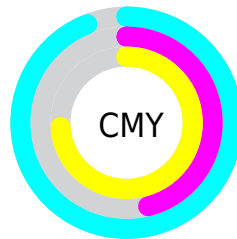
- Red (6%)
- Green (54%)
- Blue (26%)



- Red (6%)
- Yellow (40%)
- Blue (54%)



- Cyan (89%)
- Magenta (0%)
- Yellow (52%)
- Black (46%)





- Cyan (94%)
- Magenta (46%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.2688, 18.6719, 8.2171 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 10.2688, 18.6719, 8.2171 by changing the saturation by 10% instead.


 10.2688, 18.6719,
8.2171


 10.2688, 18.6719,
8.2171


186.5937,
244.6314, 187.4228


 5.6412, 11.4334,
4.1444


 25.9450, 41.1789,
22.9361


 2.6667, 6.3592,
1.7049


 37.7243, 57.2163,
34.4195


 0.9801, 3.0647,
0.3641

 52.6181, 76.9555,
49.2103

 0.0000, 1.1656,
0.0000

 70.9919, 100.7808,
67.7269

 0.0000, 0.0333,
0.0000

 93.2110, 129.0766,
90.3879

 0.0000, 0.0000,
0.0000

 119.6408,

162.2274, 117.6119

150.6466,
200.6176, 149.8173

■ 10.2688, 18.6719,
8.2171

■ 10.2688, 18.6719,
8.2171

■ 9.8657, 18.4902,
7.0419

■ 10.8286, 18.9315,
9.5761

■ 9.8330, 18.4754,
6.9481

■ 11.5974, 19.2943,
11.1271

■ 12.5976, 19.7722,
12.8780

■ 13.8484, 20.3750,
14.8360

■ 15.3668, 21.1113,
17.0077

■ 17.1683, 21.9889,
19.3995

■ 19.2669, 23.0150,
22.0176

■ 21.6761, 24.1964,
24.8678

■ 24.4083, 25.5393,
27.9557

Harmonies

Analogous

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



13.2750, 18.6719, 3.6843



10.2688, 18.6719, 8.2171



9.2063, 18.6719, 19.2914

Triad

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



10.2688, 18.6719, 8.2171



17.3804, 18.6719, 67.4219



28.6902, 18.6719, 9.2594

Complementary

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



10.2688, 18.6719, 8.2171



12.3727, 6.4332, 9.6060

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.



30.3994, 18.6719, 21.4063



10.2688, 18.6719, 8.2171



23.1253, 18.6719, 59.9640

Square

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



10.2688, 18.6719, 8.2171



12.7550, 18.6719, 57.8156



28.1846, 18.6719, 40.7306



23.8966, 18.6719, 4.0334

Rectangle

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



10.2688, 18.6719, 8.2171



9.5359, 18.6719, 31.0597



28.1846, 18.6719, 40.7306



29.6827, 18.6719, 12.4095

Sweetspot

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



10.2693, 18.6727, 8.2175



30.8012, 39.0215, 34.8850



13.2758, 20.3262, 3.6755



6.6858, 8.6436, 7.5384



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.2693, 18.6727, 8.2175



17.2566, 32.5348, 11.8517



13.0325, 19.7780, 22.7687



5.0522, 5.6404, 5.7961



9.0221, 16.9414, 6.4068



0.0669, 0.1153, 0.0795

Inverse Universe

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



12.3727, 6.4332, 9.6060



20.9984, 10.5336, 14.1524



10.8538, 5.8256, 1.6075



5.1476, 5.0945, 5.8655



10.9713, 5.4986, 7.6190



0.0802, 0.0395, 0.0891

Previews

White Background



This preview shows how the XYZ color 10.2688, 18.6719, 8.2171 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 10.2688, 18.6719, 8.2171 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 10.2688, 18.6719, 8.2171

Background



This preview shows how black text looks on a background with the XYZ color 10.2688, 18.6719, 8.2171.



This preview shows how white text looks on a background with the XYZ color 10.2688, 18.6719,

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

10.2688, 18.6719, 8.2171

Protanopia

16.9282, 18.4254, 6.9392

Deuteranopia

18.6886, 18.4318, 8.7036



Tritanopia

14.2918, 18.6709, 27.6615

Trichromacy



Original Color

10.2688, 18.6719, 8.2171



Protanomaly

12.4502, 17.3934, 7.2585



Deuteranomaly

13.1182, 17.1495, 8.4131



Tritanomaly

12.2432, 18.4184, 18.5326

Monochromacy



Original Color

10.2688, 18.6719, 8.2171



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

9.2099, 12.6856, 10.1468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2688, 18.6719, 8.2171 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(15, 138, 66)` looks like.

```
.text, #text, p{  
    color:rgb(15, 138, 66)  
}
```

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(15, 138, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 138, 66) }
```

Border

The CSS property to change the border of an element to XYZ 10.2688, 18.6719, 8.2171 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(15, 138, 66) }
```


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

```
.border{ border-color:rgb(15, 138, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 138, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 138, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 138, 66);  
box-shadow:4px 4px 4px 4px rgb(15, 138,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2688, 18.6719, 8.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 138, 66) }
```

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

```
.background{ background-color: rgb(15, 138,  
66) }
```

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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