

Converting Colors

XYZ(10.9543, 20.1762, 8.9921)

Have a look what the booklet for
XYZ(10.9543, 20.1762, 8.9921)
contains.

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Color

**XYZ(10.8966, 20.0746,
8.9307)**

Conversions

Conversions Part 1

Format	Color
Hex	008F45
RGB	0, 143, 69
RGB Percent	0%, 56%, 27%
CMY	1.0000, 0.4392, 0.7294
CMYK	1.00, 0.00, 0.52, 0.44
HSL	149°, 100%, 28%
HSV	149°, 100%, 56%
XYZ	10.8966, 20.0746, 8.9307
YIQ	91.8070, -61.4740, -53.3300

Conversions

Conversions Part 2

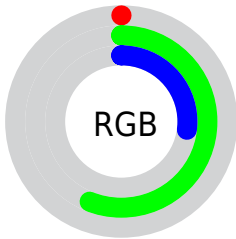
Format	Color
RYB	0, 96, 143
Decimal	36677
CIELab	51.92, -49.87, 30.21
CIELCh	52, 58.305, 148.794
Yxy	20.0746, 0.2731, 0.5031
Android (android.graphics.Color)	4278226757 (0xFF008F45)
YUV	91.8070, -11.2439, -80.5147
Hunter-Lab	44.8047, -34.9966, 19.5453

Details

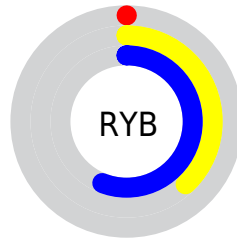
The XYZ color **10.8966, 20.0746, 8.9307** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.5642, 6.3343, 7.0391**, and the grayscale version is **10.1637, 10.6931, 11.6447**.

A 20% lighter version of the original color is **27.1800, 43.6049, 24.4368**, and **3.8859, 7.5401, 2.0096** is the 20% darker color. If you saturate the color by 10%, you get **10.8971, 20.0754, 8.9312**, and if you desaturate by 10%, it is **11.3272, 20.2689, 10.2263**.

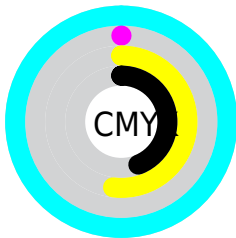
Distribution



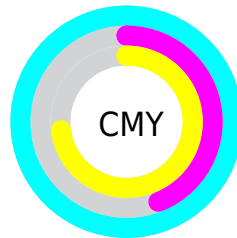
- Red (0%)
- Green (56%)
- Blue (27%)



- Red (0%)
- Yellow (38%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8966, 20.0746, 8.9307 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 10.8966, 20.0746, 8.9307 by changing the saturation by 10% instead.


 10.8966, 20.0746,
8.9307


 10.8966, 20.0746,
8.9307


190.8798,
252.3187, 193.0591


 6.0641, 12.4493,
4.5998


 27.1035, 43.5422,
24.3394


 2.9251, 7.0504,
1.9598


 39.2085, 60.1533,
36.2543


 1.1143, 3.4937,
0.5304

 54.4685, 80.5285,
51.5342

 0.0370, 1.3946,
0.0000

 73.2488, 105.0520,
70.5978

 0.0000, 0.2127,
0.0000

 95.9147, 134.1085,
93.8635

 0.0000, 0.0000,
0.0000

 122.8316,

168.0821, 121.7500

154.3648,
207.3574, 154.6756

■ 10.8966, 20.0746,
8.9307

■ 10.8966, 20.0746,
8.9307

■ 10.8971, 20.0754,
8.9312

■ 11.3272, 20.2689,
10.2263

■ 11.9108, 20.5381,
11.6834

■ 12.7120, 20.9160,
13.3105

■ 13.7548, 21.4148,
15.1134

■ 15.0600, 22.0450,
17.0977

■ 16.6457, 22.8161,
19.2684

■ 18.5287, 23.7365,
21.6307

■ 20.7243, 24.8140,
24.1893

■ 23.2467, 26.0559,
26.9488

Harmonies

Analogous

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



14.0994, 20.0746, 3.9147



10.8966, 20.0746, 8.9307



9.8018, 20.0746, 21.1777

Triad

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



10.8966, 20.0746, 8.9307



18.8413, 20.0746, 73.4417



30.9155, 20.0746, 9.6023

Complementary

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



10.8966, 20.0746, 8.9307



12.5642, 6.3343, 7.0391

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.



32.8973, 20.0746, 22.5523



10.8966, 20.0746, 8.9307



25.1146, 20.0746, 64.7683

Square

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



10.8966, 20.0746, 8.9307



13.7624, 20.0746, 63.3608



30.5857, 20.0746, 43.5120



25.6171, 20.0746, 4.1372

Rectangle

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



10.8966, 20.0746, 8.9307



10.1952, 20.0746, 34.1530



30.5857, 20.0746, 43.5120



32.0347, 20.0746, 12.9368

Sweetspot

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



10.8971, 20.0754, 8.9312



32.9506, 42.3940, 38.4571



12.8247, 21.1932, 3.4148



7.2522, 9.5731, 8.4449



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.



10.8971, 20.0754, 8.9312



19.4284, 35.9162, 15.5416



14.4274, 21.4875, 27.5215



5.4445, 6.0700, 6.3065



9.6452, 17.7540, 7.9519



0.1033, 0.1742, 0.1342

Inverse Universe

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



12.5642, 6.3343, 7.0391



22.4126, 11.3085, 12.1472



11.3543, 5.8503, 0.6677



5.5181, 5.4678, 6.2262



11.1193, 5.6048, 6.2797



0.1174, 0.0580, 0.1187

Previews

White Background



This preview shows how the XYZ color 10.8966, 20.0746, 8.9307 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 10.8966, 20.0746, 8.9307 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 10.8966, 20.0746, 8.9307

Background



This preview shows how black text looks on a background with the XYZ color 10.8966, 20.0746, 8.9307.



This preview shows how white text looks on a background with the XYZ color 10.8966, 20.0746,

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

10.8966, 20.0746, 8.9307

Protanopia

18.1058, 19.7480, 7.4149

Deuteranopia

20.1774, 19.8682, 9.6090



Tritanopia

15.4278, 20.2155, 30.2830

Trichromacy



Original Color

10.8966, 20.0746, 8.9307



Protanomaly

12.8672, 18.3732, 7.8692



Deuteranomaly

13.5113, 18.0927, 9.0834



Tritanomaly

13.0516, 19.8423, 20.2816

Monochromacy



Original Color

10.8966, 20.0746, 8.9307



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

9.0883, 12.9388, 10.4059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8966, 20.0746, 8.9307 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, 143, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 69)  
}
```

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, 143, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 69) }
```

Border

The CSS property to change the border of an element to XYZ 10.8966, 20.0746, 8.9307 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, 143, 69) }
```


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

```
.border{ border-color:rgb(0, 143, 69) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8966, 20.0746, 8.9307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 69) }
```

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

```
.background{ background-color: rgb(0, 143,  
69) }
```

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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