

Converting Colors

XYZ(11.6021, 21.5596, 8.9376)

Have a look what the booklet for
XYZ(11.6021, 21.5596, 8.9376)
contains.

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Color

**XYZ(11.6030, 21.5851,
8.8650)**

Conversions

Conversions Part 1

Format	Color
Hex	009443
RGB	0, 148, 67
RGB Percent	0%, 58%, 26%
CMY	1.0000, 0.4196, 0.7372
CMYK	1.00, 0.00, 0.55, 0.42
HSL	147°, 100%, 29%
HSV	147°, 100%, 58%
XYZ	11.6030, 21.5851, 8.8650
YIQ	94.5140, -62.2070, -56.5670

Conversions

Conversions Part 2

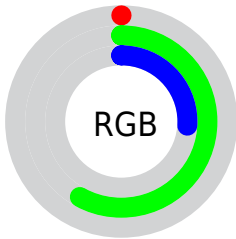
Format	Color
RYB	0, 102, 148
Decimal	37955
CIELab	53.58, -51.90, 33.29
CIELCh	54, 61.655, 147.321
Yxy	21.5851, 0.2759, 0.5133
Android (android.graphics.Color)	4278228035 (0xFF009443)
YUV	94.5140, -13.5644, -82.8888
Hunter-Lab	46.4598, -36.7255, 21.2087

Details

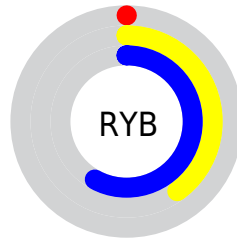
The XYZ color **11.6030, 21.5851, 8.8650** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.6985, 6.8903, 8.3927**, and the grayscale version is **10.8035, 11.3661, 12.3777**.

A 20% lighter version of the original color is **28.3131, 45.9275, 24.2023**, and **4.3004, 8.4128, 2.0133** is the 20% darker color. If you saturate the color by 10%, you get **11.6035, 21.5860, 8.8655**, and if you desaturate by 10%, it is **12.0576, 21.7900, 10.2454**.

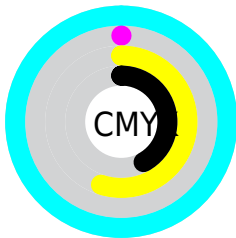
Distribution



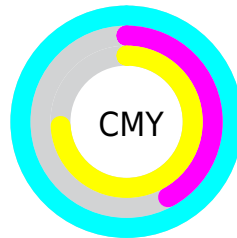
- Red (0%)
- Green (58%)
- Blue (26%)



- Red (0%)
- Yellow (40%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6030, 21.5851, 8.8650 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 11.6030, 21.5851, 8.8650 by changing the saturation by 10% instead.


 11.6030, 21.5851,
8.8650


 11.6030, 21.5851,
8.8650

195.5831,
260.3718, 192.5484

 6.5442, 13.5524,
4.5576


 28.3931, 46.0593,
24.2111


 3.2225, 7.8100,
1.9360


 40.8552, 63.2695,
36.0869


 1.2725, 3.9736,
0.5155

 56.5157, 84.3077,
51.3226

 0.1625, 1.6588,
0.0000

 75.7401, 109.5583,
70.3368

 0.0000, 0.3968,
0.0000

 98.8937, 139.4056,
93.5479

 0.0000, 0.0000,
0.0000

 126.3418,

174.2340, 121.3745

158.4498,
214.4280, 154.2352

■ 11.6030, 21.5851,
8.8650

■ 11.6030, 21.5851,
8.8650

■ 11.6035, 21.5860,
8.8655

■ 12.0576, 21.7900,
10.2454

■ 12.6834, 22.0784,
11.8177

■ 13.5478, 22.4857,
13.5922

■ 14.6774, 23.0252,
15.5763

■ 16.0949, 23.7088,
17.7769

■ 17.8205, 24.5465,
20.2008

■ 19.8725, 25.5477,
22.8542

■ 22.2677, 26.7210,
25.7431

■ 25.0217, 28.0743,
28.8735

Harmonies

Analogous

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



15.2396, 21.5851, 3.7716



11.6030, 21.5851, 8.8650



10.2953, 21.5851, 21.8495

Triad

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



11.6030, 21.5851, 8.8650



19.9304, 21.5851, 81.4569



33.9344, 21.5851, 10.4860

Complementary

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



11.6030, 21.5851, 8.8650



13.6985, 6.8903, 8.3927

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.



35.9268, 21.5851, 25.2369



11.6030, 21.5851, 8.8650



26.8881, 21.5851, 72.6299

Square

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



11.6030, 21.5851, 8.8650



14.4150, 21.5851, 69.0962



33.1142, 21.5851, 48.9968



28.1333, 21.5851, 4.2941

Rectangle

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



11.6030, 21.5851, 8.8650



10.6530, 21.5851, 36.0254



33.1142, 21.5851, 48.9968



35.1195, 21.5851, 14.2809

Sweetspot

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



11.6035, 21.5860, 8.8655



34.8289, 44.9616, 40.0314



14.0182, 22.9478, 3.6905



7.6214, 10.1029, 8.7201



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.



11.6035, 21.5860, 8.8655



20.3886, 38.0520, 15.1975



15.3686, 23.0920, 28.6918



5.8322, 6.5095, 6.7273



9.9243, 18.4425, 7.6429



0.1360, 0.2315, 0.1701

Inverse Universe

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



13.6985, 6.8903, 8.3927



24.0816, 12.1219, 14.3462



12.2538, 6.3124, 0.7851



5.9256, 5.8653, 6.7143



11.7141, 5.8907, 7.2414



0.1583, 0.0781, 0.1670

Previews

White Background



This preview shows how the XYZ color 11.6030, 21.5851, 8.8650 looks on a white background.

Color Contrast Check

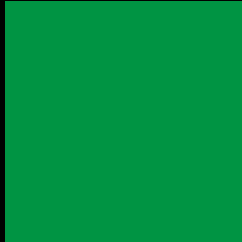
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6030, 21.5851, 8.8650 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 11.6030, 21.5851, 8.8650

Background



This preview shows how black text looks on a background with the XYZ color 11.6030, 21.5851, 8.8650.



This preview shows how white text looks on a background with the XYZ color 11.6030, 21.5851,

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

11.6030, 21.5851, 8.8650

Protanopia

19.5193, 21.4273, 7.3821

Deuteranopia

21.7131, 21.3820, 9.4613



Tritanopia

16.4826, 21.5668, 32.1482

Trichromacy



Original Color

11.6030, 21.5851, 8.8650



Protanomaly

13.7776, 19.8605, 7.8099



Deuteranomaly

14.3992, 19.3402, 8.9353



Tritanomaly

13.8261, 21.0954, 21.1124

Monochromacy



Original Color

11.6030, 21.5851, 8.8650



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.5205, 13.6512, 10.7275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6030, 21.5851, 8.8650 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, 148, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 67)  
}
```

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, 148, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 67) }
```

Border

The CSS property to change the border of an element to XYZ 11.6030, 21.5851, 8.8650 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, 148, 67) }
```


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

```
.border{ border-color:rgb(0, 148, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6030, 21.5851, 8.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 67) }
```

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

```
.background{ background-color: rgb(0, 148,  
67) }
```

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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