

Converting Colors

XYZ(10.5973, 21.1604, 3.5258)

Have a look what the booklet for
XYZ(10.5973, 21.1604, 3.5258)
contains.

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Color

**XYZ(10.6149, 21.1927,
3.5311)**

Conversions

Conversions Part 1

Format	Color
Hex	029400
RGB	2, 148, 0
RGB Percent	1%, 58%, 0%
CMY	0.9922, 0.4196, 1.0000
CMYK	0.99, 0.00, 1.00, 0.42
HSL	119°, 100%, 29%
HSV	119°, 100%, 58%
XYZ	10.6149, 21.1927, 3.5311
YIQ	87.4740, -39.5080, -76.9800

Conversions

Conversions Part 2

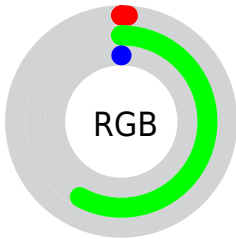
Format	Color
RYB	0, 148, 146
Decimal	168960
CIELab	53.16, -57.32, 55.46
CIELCh	53, 79.758, 135.943
Yxy	21.1927, 0.3004, 0.5997
Android (android.graphics.Color)	4278359040 (0xFF029400)
YUV	87.4740, -43.1247, -74.9607
Hunter-Lab	46.0355, -39.4035, 27.6771

Details

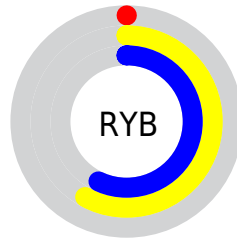
The XYZ color **10.6149, 21.1927, 3.5311** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.2025, 8.2509, 28.7040**, and the grayscale version is **9.2586, 9.7408, 10.6077**.

A 20% lighter version of the original color is **26.5499, 45.2654, 12.9680**, and **4.0922, 8.1844, 1.3641** is the 20% darker color. If you saturate the color by 10%, you get **10.6152, 21.1935, 3.5313**, and if you desaturate by 10%, it is **10.8993, 21.3301, 3.9876**.

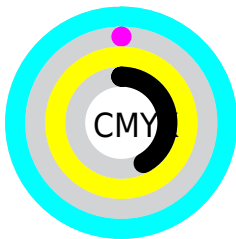
Distribution



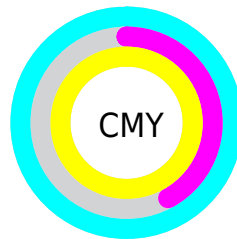
- Red (1%)
- Green (58%)
- Blue (0%)



- Red (0%)
- Yellow (58%)
- Blue (57%)



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (42%)



- Cyan (99%)
- Magenta (42%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6149, 21.1927, 3.5311 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 10.6149, 21.1927, 3.5311 by changing the saturation by 10% instead.

■ 10.6149, 21.1927,
3.5311

■ 10.6149, 21.1927,
3.5311

188.9695,
258.3008, 142.8615

■ 5.8739, 13.2649,
1.3718

■ 26.5851, 45.4080,
12.9130

■ 2.8085, 7.6112,
0.1196

■ 38.5451, 62.4644,
20.9727

■ 1.0533, 3.8472,
0.0000

■ 53.6420, 83.3324,
31.8363

■ 0.0000, 1.5885,
0.0000

■ 72.2413, 108.3964,
45.9224


■ 0.0000, 0.3498,
0.0000


■ 94.7084, 138.0409,
63.6494


■ 0.0000, 0.0000,
0.0000


■ 121.4085,


172.6501, 85.4359


 152.7071,
212.6087, 111.7004


 10.6149, 21.1927,
3.5311


 10.6149, 21.1927,
3.5311


 10.6152, 21.1935,
3.5313

 10.8993, 21.3301,
3.9876

 11.3909, 21.5669,
4.7649

 12.1705, 21.9419,
6.0173

 13.2732, 22.4719,
7.8044

 14.7288, 23.1713,
10.1768

■ 16.5639, 24.0528,
13.1795

■ 18.8025, 25.1278,
16.8528

■ 21.4666, 26.4070,
21.2340

■ 24.5766, 27.9001,
26.3574

Harmonies

Analogous

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



16.0204, 21.1927, 1.0486



10.6149, 21.1927, 3.5311



8.1777, 21.1927, 13.5568

Triad

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



10.6149, 21.1927, 3.5311



16.4657, 21.1927, 103.4399



40.0314, 21.1927, 12.5503

Complementary

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



10.6149, 21.1927, 3.5311



17.2025, 8.2509, 28.7040

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.



40.2494, 21.1927, 36.2481



10.6149, 21.1927, 3.5311



24.9183, 21.1927, 102.3714

Square

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



10.6149, 21.1927, 3.5311



10.8622, 21.1927, 74.9093



34.1392, 21.1927, 72.5718



33.6072, 21.1927, 3.2317

Rectangle

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



10.6149, 21.1927, 3.5311



7.9618, 21.1927, 28.2090



34.1392, 21.1927, 72.5718



40.8830, 21.1927, 18.6055

Sweetspot

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



10.6154, 21.1936, 3.5316



32.9144, 44.2100, 29.3072



22.4208, 26.7112, 3.9744



7.1525, 9.9188, 6.0973



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.



10.6154, 21.1936, 3.5316



18.7175, 37.3873, 6.2300



11.7452, 21.6426, 9.6109



5.7364, 6.4719, 6.1873



9.0686, 18.1029, 3.0162



0.1124, 0.2223, 0.0370

Inverse Universe

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



17.2025, 8.2509, 28.7040



30.3391, 14.5508, 50.6441



13.5344, 6.8248, 7.5280



6.0277, 5.9053, 7.2919



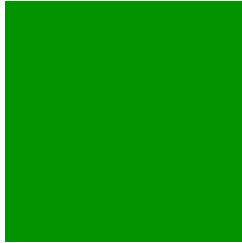
14.6950, 7.0481, 24.5169



0.1818, 0.0873, 0.3002

Previews

White Background



This preview shows how the XYZ color 10.6149, 21.1927, 3.5311 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

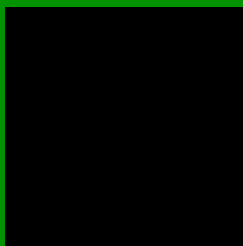
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.6149, 21.1927, 3.5311

Background



This preview shows how black text looks on a background with the XYZ color 10.6149, 21.1927, 3.5311.



This preview shows how white text looks on a background with the XYZ color 10.6149, 21.1927,

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

10.6149, 21.1927, 3.5311

Protanopia

18.9171, 21.0184, 3.0599

Deuteranopia

21.2753, 20.9082, 4.2808



Tritanopia

16.4999, 21.3710, 31.6892

Trichromacy



Original Color

10.6149, 21.1927, 3.5311



Protanomaly

13.0776, 19.6033, 3.0945



Deuteranomaly

13.5884, 18.8406, 3.5822



Tritanomaly

12.6136, 20.6233, 14.1424

Monochromacy



Original Color

10.6149, 21.1927, 3.5311



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

7.7891, 12.0539, 5.5305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6149, 21.1927, 3.5311 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, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 148, 0)  
}
```

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, 148, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 10.6149, 21.1927, 3.5311 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, 148, 0) }
```


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

```
.border{ border-color:rgb(2, 148, 0) }
```

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

Here you see how a box with a 4 pixel rgb(2, 148, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 148, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 148, 0); box-shadow:4px  
4px 4px 4px rgb(2, 148, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6149, 21.1927, 3.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 148, 0) }
```

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

```
.background{ background-color: rgb(2, 148,  
0) }
```

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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