

Converting Colors

XYZ(10.5619, 18.7308, 0.0000)

Have a look what the booklet for
XYZ(10.5619, 18.7308, 0.0000)
contains.

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Color

**XYZ(11.1924, 19.0496,
3.0870)**

Conversions

Conversions Part 1

Format	Color
Hex	428900
RGB	66, 137, 0
RGB Percent	26%, 54%, 0%
CMY	0.7412, 0.4627, 1.0000
CMYK	0.52, 0.00, 1.00, 0.46
HSL	91°, 100%, 27%
HSV	91°, 100%, 54%
XYZ	11.1924, 19.0496, 3.0870
YIQ	100.1530, 1.6610, -57.6590

Conversions

Conversions Part 2

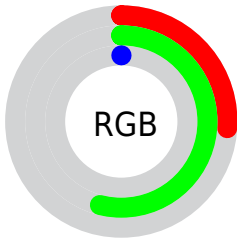
Format	Color
RYB	0, 137, 71
Decimal	4360448
CIELab	50.75, -42.62, 54.09
CIELCh	51, 68.866, 128.235
Yxy	19.0496, 0.3358, 0.5716
Android (android.graphics.Color)	4282550528 (0xFF428900)
YUV	100.1530, -49.3754, -29.9522
Hunter-Lab	43.6458, -30.6063, 26.3586

Details

The XYZ color **11.1924, 19.0496, 3.0870** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.1151, 3.1465, 23.9004**, and the grayscale version is **12.2748, 12.9141, 14.0634**.

A 20% lighter version of the original color is **27.6402, 41.7925, 11.7642**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **11.1925, 19.0502, 3.0872**, and if you desaturate by 10%, it is **11.7786, 19.3435, 3.5180**.

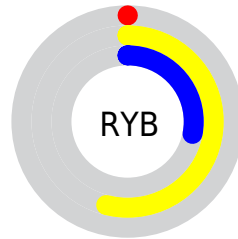
Distribution



Red (26%)

Green (54%)

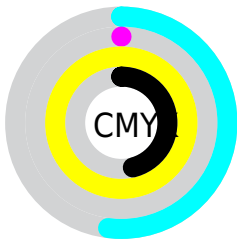
Blue (0%)



Red (0%)

Yellow (54%)

Blue (28%)

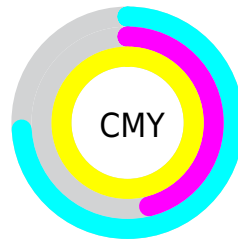


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (74%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1924, 19.0496, 3.0870 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 11.1924, 19.0496, 3.0870 by changing the saturation by 10% instead.

■ 11.1924, 19.0496,
3.0870

■ 11.1924, 19.0496,
3.0870

192.8640,
246.7224, 137.4611

■ 6.2646, 11.7061,
1.1392

■ 27.6452, 41.8179,
11.8424

■ 3.0488, 6.5439,
0.0000

■ 39.9010, 58.0115,
19.4870

■ 1.1796, 3.1785,
0.0000

■ 55.3301, 77.9239,
29.8678

■ 0.0902, 1.2256,
0.0000

■ 74.2980, 101.9396,
43.4031


■ 0.0000, 0.0825,
0.0000


■ 97.1700, 130.4429,
60.5115


■ 0.0000, 0.0000,
0.0000


■ 124.3114,


163.8182, 81.6117


 156.0876,
202.4499, 107.1220


 11.1924, 19.0496,
3.0870


 11.1924, 19.0496,
3.0870

 11.1925, 19.0502,
3.0872

 11.7786, 19.3435,
3.5180

 12.4739, 19.6874,
4.2045

 13.3069, 20.0938,
5.2850

 14.2886, 20.5672,
6.8073

 15.4285, 21.1116,
8.8126

■ 16.7352, 21.7307,
11.3371

■ 18.2166, 22.4279,
14.4137

■ 19.8800, 23.2062,
18.0725

■ 21.7324, 24.0685,
22.3415

Harmonies

Analogous

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



16.3069, 19.0496, 1.4060



11.1924, 19.0496, 3.0870



8.5162, 19.0496, 9.7713

Triad

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



11.1924, 19.0496, 3.0870



13.7001, 19.0496, 78.1054



34.2635, 19.0496, 15.8524

Complementary

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



11.1924, 19.0496, 3.0870



7.1151, 3.1465, 23.9004

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.



33.0648, 19.0496, 37.8402



11.1924, 19.0496, 3.0870



20.0330, 19.0496, 83.7313

Square

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



11.1924, 19.0496, 3.0870



9.6930, 19.0496, 53.3764



27.4039, 19.0496, 65.8942



30.3597, 19.0496, 5.1775

Rectangle

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



11.1924, 19.0496, 3.0870



7.9714, 19.0496, 19.6157



27.4039, 19.0496, 65.8942



34.4596, 19.0496, 21.9101

Sweetspot

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



11.1928, 19.0504, 3.0874



32.4338, 40.0745, 25.4110



12.5569, 9.7983, 1.2297



7.0520, 8.8838, 5.2297



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.



11.1928, 19.0504, 3.0874



19.8563, 34.0178, 5.5196



8.9588, 17.8973, 3.0482



5.1861, 5.7187, 5.3829



10.4390, 17.7515, 2.8762



0.0861, 0.1266, 0.0199

Inverse Universe

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



7.1151, 3.1465, 23.9004



12.5516, 5.5365, 42.7903



14.6706, 7.0602, 23.4079



5.0057, 5.0114, 6.3093



6.6409, 2.9376, 22.2627



0.0610, 0.0282, 0.1487

Previews

White Background



This preview shows how the XYZ color 11.1924, 19.0496, 3.0870 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 11.1924, 19.0496, 3.0870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

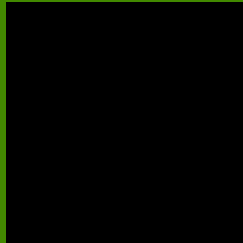
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.1924, 19.0496, 3.0870

Background



This preview shows how black text looks on a background with the XYZ color 11.1924, 19.0496, 3.0870.



This preview shows how white text looks on a background with the XYZ color 11.1924, 19.0496,

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

11.1924, 19.0496, 3.0870

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

18.9894, 18.6978, 3.7068



Tritanopia

15.9231, 18.9450, 26.8623

Trichromacy



Original Color

11.1924, 19.0496, 3.0870

Protanomaly

14.1449, 18.5583, 2.8366

Deuteranomaly

14.8144, 17.9558, 3.2573

Tritanomaly

13.0196, 18.5569, 12.1281

Monochromacy



Original Color

11.1924, 19.0496, 3.0870

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

10.8550, 14.2551, 7.0299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1924, 19.0496, 3.0870 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(66, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 137, 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(66, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 137, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.1924, 19.0496, 3.0870 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(66, 137, 0) }
```


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

```
.border{ border-color:rgb(66, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(66, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 137, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.1924, 19.0496, 3.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 137, 0) }
```

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

```
.background{ background-color: rgb(66, 137,  
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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