

# Converting Colors

XYZ(19.2135, 27.2022, 11.5536)

Have a look what the booklet for  
XYZ(19.2135, 27.2022, 11.5536)  
contains.

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# Color

**XYZ(19.1960, 27.1330,  
11.6226)**

# Conversions

Conversions Part 1	
Format	Color
Hex	6B9B4F
RGB	107, 155, 79
RGB Percent	42%, 61%, 31%
CMY	0.5804, 0.3921, 0.6902
CMYK	0.31, 0.00, 0.49, 0.39
HSL	98°, 32%, 46%
HSV	98°, 49%, 61%
XYZ	19.1960, 27.1330, 11.6226
YIQ	131.9840, -4.2120, -33.8120

# Conversions

## Conversions Part 2

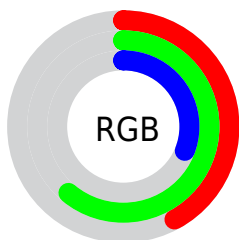
Format	Color
<a href="#">RYB</a>	<a href="#">79, 155, 127</a>
Decimal	<a href="#">7052111</a>
CIELab	<a href="#">59.10, -30.34, 34.60</a>
CIELCh	<a href="#">59, 46.021, 131.243</a>
Yxy	<a href="#">27.1330, 0.3312, 0.4682</a>
Android (android.graphics.Color)	<a href="#">4285242191</a> (0xFF6B9B4F)
YUV	<a href="#">131.9840, -26.1211, -21.9110</a>
Hunter-Lab	<a href="#">52.0893, -25.3754, 23.2333</a>

# Details

The XYZ color **19.1960, 27.1330, 11.6226** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.4661, 12.4714, 32.4985**, and the grayscale version is **22.0193, 23.1660, 25.2277**.

A 20% lighter version of the original color is **41.5731, 55.1785, 29.5785**, and **6.7285, 10.6402, 2.9955** is the 20% darker color. If you saturate the color by 10%, you get **17.5853, 26.3613, 8.9379**, and if you desaturate by 10%, it is **21.0729, 28.0284, 15.0076**.

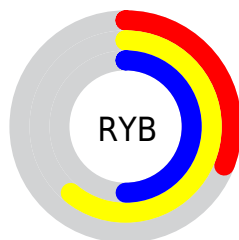
# Distribution



Red (42%)

Green (61%)

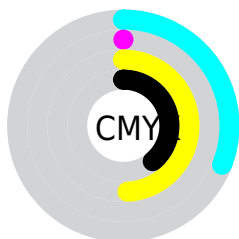
Blue (31%)



Red (31%)

Yellow (61%)

Blue (50%)

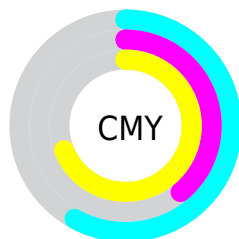


Cyan (31%)

Magenta (0%)

Yellow (49%)

Black (39%)



Cyan (58%)

Magenta (39%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1960, 27.1330, 11.6226 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 19.1960, 27.1330, 11.6226 by changing the saturation by 10% instead.





 19.1960, 27.1330,  
11.6226


 19.1960, 27.1330,  
11.6226

240.4461,  
288.3005, 212.7790


 11.9168, 17.6731,  
6.3678


 41.5793, 55.0972,  
29.4599


 6.7589, 10.7156,  
2.9976


 57.4142, 74.3704,  
42.8795


 3.3567, 5.8759,  
1.0934


 76.8318, 97.6834,  
59.8579

 1.3451, 2.7698,  
0.0000

 100.1972,  
125.4207, 80.8134

 0.2166, 1.0128,  
0.0000


 127.8761,  
157.9666, 106.1648


 0.0000, 0.0000,  
0.0000


160.2336,


195.7057, 136.3305


197.6351,  
239.0222, 171.7290

 19.1960, 27.1330,  
11.6226


 19.1960, 27.1330,  
11.6226


 17.5853, 26.3613,  
8.9379


 21.0729, 28.0284,  
15.0076


 16.2252, 25.7037,  
6.9026


 23.2266, 29.0496,  
19.1356


 15.1011, 25.1549,  
5.4620


 25.6695, 30.2027,  
24.0478


 14.1958, 24.7075,  
4.5512


 28.4126, 31.4928,  
29.7819

 13.4779, 24.3481,  
4.0324

 31.4663, 32.9243,  
36.3732

 13.4150, 24.3167,  
3.9865

 34.8404, 34.5016,  
43.8550

 38.5445, 36.2289,  
52.2588

 42.5873, 38.1102,  
61.6144

 46.9777, 40.1493,  
71.9504

# Harmonies

## Analogous

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



23.7034, 27.1330, 8.1652



19.1960, 27.1330, 11.6226



16.7129, 27.1330, 20.5270

# Triad

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



19.1960, 27.1330, 11.6226



22.4113, 27.1330, 70.5380



38.1521, 27.1330, 23.8172

# Complementary

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



19.1960, 27.1330, 11.6226



17.4661, 12.4714, 32.4985

# 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.



37.6697, 27.1330, 40.8751



19.1960, 27.1330, 11.6226



27.9936, 27.1330, 72.4643

# Square

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



19.1960, 27.1330, 11.6226



18.3708, 27.1330, 55.5576



33.7416, 27.1330, 60.1253



34.9758, 27.1330, 13.2616



# Rectangle

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



19.1960, 27.1330, 11.6226



16.2811, 27.1330, 30.2317



33.7416, 27.1330, 60.1253



38.4234, 27.1330, 28.8653

# Sweetspot

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



19.1967, 27.1342, 11.6232



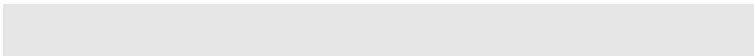
47.7421, 54.9220, 46.7291



22.3738, 22.4218, 10.5462



10.5933, 12.3312, 10.1356



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



19.1967, 27.1342, 11.6232



31.1976, 47.0662, 15.5422



16.7026, 25.8086, 13.3053



6.3364, 7.0309, 6.6290



10.8137, 19.5505, 3.2037



0.1995, 0.3118, 0.0497



# Inverse Universe

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



17.4661, 12.4714, 32.4985



27.6928, 17.5981, 57.4735



21.5133, 14.6408, 28.9420



6.2405, 6.2098, 7.7987



8.8321, 4.0042, 25.2151



0.1718, 0.0804, 0.3788



# Previews

## White Background



This preview shows how the XYZ color 19.1960, 27.1330, 11.6226 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 19.1960, 27.1330, 11.6226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

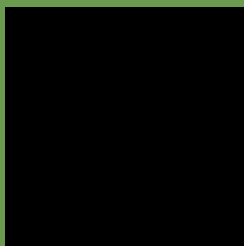
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 19.1960, 27.1330, 11.6226**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.1960, 27.1330, 11.6226.



This preview shows how white text looks on a background with the XYZ color 19.1960, 27.1330,



# 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

19.1960, 27.1330, 11.6226

### Protanopia

24.6193, 26.9083, 10.3748

### Deuteranopia

27.2775, 26.7387, 12.1109



## Tritanopia

24.0582, 26.9483, 36.2813

# Trichromacy



**Original Color**  
19.1960, 27.1330, 11.6226

**Protanomaly**  
22.2195, 26.7925, 10.8379

**Deuteranomaly**  
23.4087, 26.2511, 11.8158

**Tritanomaly**  
21.7801, 26.7247, 24.7793

# Monochromacy



**Original Color**  
19.1960, 27.1330, 11.6226

**Achromatopsia**  
21.9318, 23.0740, 25.1276

**Achromatomaly**  
20.5271, 24.1594, 19.2041

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.1960, 27.1330, 11.6226 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(107, 155, 79)` looks like.

```
.text, #text, p{  
    color:rgb(107, 155, 79)  
}
```

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(107, 155, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 155, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 19.1960, 27.1330, 11.6226 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(107, 155, 79) }
```



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

```
.border{ border-color:rgb(107, 155, 79) }
```

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

Here you see how a box with a 4 pixel rgb(107, 155, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 155, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 155, 79);  
box-shadow:4px 4px 4px 4px rgb(107, 155,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.1960, 27.1330, 11.6226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 155, 79) }
```

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

```
.background{ background-color: rgb(107,  
155, 79) }
```

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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