

# Converting Colors

XYZ(17.8054, 27.1891, 9.3416)

Have a look what the booklet for  
XYZ(17.8054, 27.1891, 9.3416)  
contains.

**XYZ(17.7971, 27.2151, 9.3161) ..... 3**

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 12

***Previews*** ..... 24

***Color Blindness Simulation*** ..... 28

***CSS Examples*** ..... 31

# Color

**XYZ(17.7971, 27.2151,  
9.3161)**

# Conversions

Conversions Part 1	
Format	Color
Hex	5E9E41
RGB	94, 158, 65
RGB Percent	37%, 62%, 25%
CMY	0.6314, 0.3804, 0.7451
CMYK	0.41, 0.00, 0.59, 0.38
HSL	101°, 42%, 44%
HSV	101°, 59%, 62%
XYZ	17.7971, 27.2151, 9.3161
YIQ	128.2620, -8.2910, -42.4910

# Conversions

## Conversions Part 2

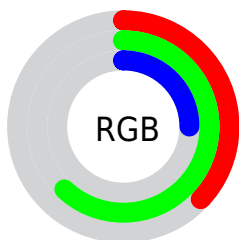
Format	Color
<a href="#">RYB</a>	<a href="#">65, 158, 129</a>
Decimal	<a href="#">6200897</a>
CIELab	<a href="#">59.17, -37.97, 41.48</a>
CIELCh	<a href="#">59, 56.235, 132.473</a>
Yxy	<a href="#">27.2151, 0.3276, 0.5009</a>
Android (android.graphics.Color)	<a href="#">4284390977</a> (0xFF5E9E41)
YUV	<a href="#">128.2620, -31.1882, -30.0478</a>
Hunter-Lab	<a href="#">52.1681, -30.3990, 25.9297</a>

# Details

The XYZ color **17.7971, 27.2151, 9.3161** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.1166, 10.9173, 33.5544**, and the grayscale version is **20.7165, 21.7954, 23.7352**.

A 20% lighter version of the original color is **39.1594, 55.1454, 25.1032**, and **6.0955, 10.7857, 2.1084** is the 20% darker color. If you saturate the color by 10%, you get **16.3645, 26.5231, 7.1852**, and if you desaturate by 10%, it is **19.5162, 28.0417, 12.1299**.

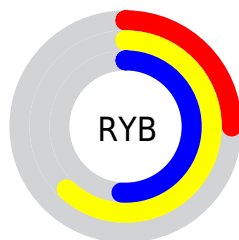
# Distribution



Red (37%)

Green (62%)

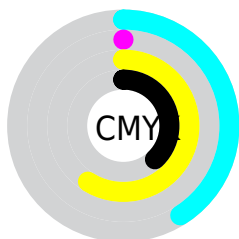
Blue (25%)



Red (25%)

Yellow (62%)

Blue (51%)

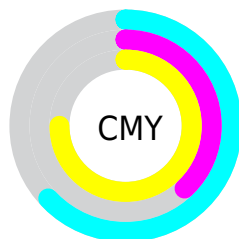


Cyan (41%)

Magenta (0%)

Yellow (59%)

Black (38%)



Cyan (63%)

Magenta (38%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7971, 27.2151, 9.3161 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 17.7971, 27.2151, 9.3161 by changing the saturation by 10% instead.




 17.7971, 27.2151,  
9.3161


 17.7971, 27.2151,  
9.3161


232.7927,  
288.6971, 196.0229


 10.9032, 17.7348,  
4.8483


 39.2241, 55.2288,  
25.0883


 6.0686, 10.7598,  
2.1014


 54.4879, 74.5311,  
37.2299


 2.9279, 5.9055,  
0.6166


 73.2724, 97.8762,  
52.7664

 1.1157, 2.7877,  
0.0000

 95.9429, 125.6484,  
72.1165

 0.0382, 1.0219,  
0.0000


 122.8649,  
158.2322, 95.6986


 0.0000, 0.0000,  
0.0000


154.4036,


196.0120, 123.9313


190.9244,  
239.3722, 157.2333


 17.7971, 27.2151,  
9.3161


 17.7971, 27.2151,  
9.3161


 16.3645, 26.5231,  
7.1852

 19.5162, 28.0417,  
12.1299


 15.1990, 25.9544,  
5.6772


 21.5356, 29.0063,  
15.6763


 14.2812, 25.5014,  
4.7249


 23.8708, 30.1168,  
20.0024


 13.5777, 25.1498,  
4.1905


 26.5351, 31.3791,  
25.1509


 13.5069, 25.1145,  
4.1357

 29.5415, 32.7991,  
31.1613

 32.9019, 34.3820,  
38.0706

 36.6278, 36.1330,  
45.9137

 40.7301, 38.0571,  
54.7237

 45.2192, 40.1588,  
64.5318

# Harmonies

## Analogous

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



23.0660, 27.2151, 5.6734



17.7971, 27.2151, 9.3161



15.0326, 27.2151, 19.4682

# Triad

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



17.7971, 27.2151, 9.3161



22.0194, 27.2151, 83.7298



41.3716, 27.2151, 22.0584

# Complementary

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



17.7971, 27.2151, 9.3161



17.1166, 10.9173, 33.5544

# 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.



40.9526, 27.2151, 42.8327



17.7971, 27.2151, 9.3161



28.8863, 27.2151, 85.5017

# Square

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



17.7971, 27.2151, 9.3161



17.1506, 27.2151, 64.0533



36.0687, 27.2151, 68.1591



37.1271, 27.2151, 10.4730



# Rectangle

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



17.7971, 27.2151, 9.3161



14.6099, 27.2151, 31.3281



36.0687, 27.2151, 68.1591



41.7906, 27.2151, 27.9994

# Sweetspot

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



17.7978, 27.2163, 9.3167



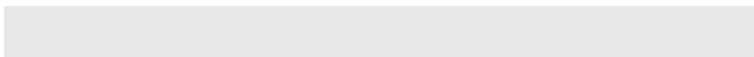
48.4477, 57.1057, 46.1880



22.8470, 23.2342, 8.2820



10.6048, 12.7241, 9.7900



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



17.7978, 27.2163, 9.3167



28.9162, 47.7743, 11.9584



15.9326, 26.1888, 12.2084



6.7357, 7.4964, 7.0776



10.8538, 20.1321, 3.3138



0.2348, 0.3810, 0.0612



# Inverse Universe

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



17.1166, 10.9173, 33.5544



27.4809, 15.2631, 60.2411



20.7959, 12.9721, 26.5889



6.7028, 6.6508, 8.3371



10.0096, 4.5892, 26.2655



0.2202, 0.1033, 0.4716



# Previews

## White Background



This preview shows how the XYZ color 17.7971, 27.2151, 9.3161 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 17.7971, 27.2151, 9.3161 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 17.7971, 27.2151, 9.3161**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.7971, 27.2151, 9.3161.



This preview shows how white text looks on a background with the XYZ color 17.7971, 27.2151,



# 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

17.7971, 27.2151, 9.3161

### Protanopia

24.5892, 26.9413, 8.1792

### Deuteranopia

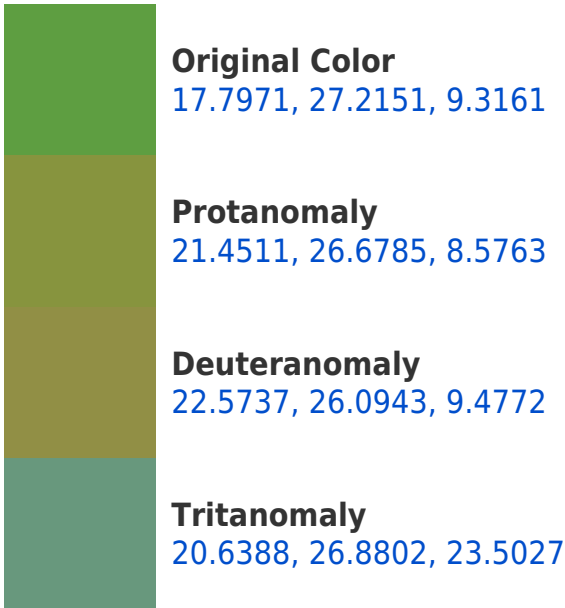
27.2892, 26.7945, 9.8644



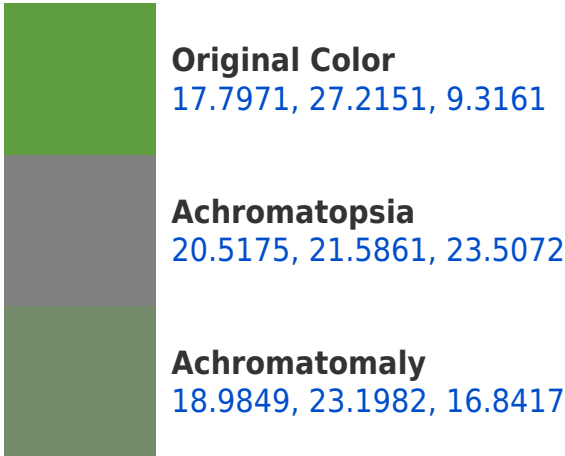
## Tritanopia

23.3655, 27.0329, 37.2441

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.7971, 27.2151, 9.3161 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(94, 158, 65) looks like.

```
.text, #text, p{  
    color:rgb(94, 158, 65)  
}
```

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(94, 158, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 158, 65) }
```

## Border

The CSS property to change the border of an element to XYZ 17.7971, 27.2151, 9.3161 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(94, 158, 65) }
```



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

```
.border{ border-color:rgb(94, 158, 65) }
```

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

Here you see how a box with a 4 pixel rgb(94, 158, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 158, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 158, 65);  
box-shadow:4px 4px 4px 4px rgb(94, 158,  
65) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.7971, 27.2151, 9.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 158, 65) }
```

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

```
.background{ background-color: rgb(94, 158,  
65) }
```

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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