

# Converting Colors

XYZ(36.3917, 62.0642, 27.1352)

Have a look what the booklet for  
XYZ(36.3917, 62.0642, 27.1352)  
contains.

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# Color

**XYZ(36.4391, 62.0849,  
27.2026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55EA76
RGB	85, 234, 118
RGB Percent	33%, 92%, 46%
CMY	0.6667, 0.0823, 0.5372
CMYK	0.64, 0.00, 0.50, 0.08
HSL	133°, 78%, 63%
HSV	133°, 64%, 92%
XYZ	36.4391, 62.0849, 27.2026
YIQ	176.2250, -51.5680, -67.6640

# Conversions

## Conversions Part 2

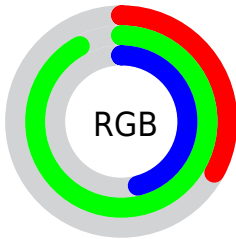
Format	Color
<a href="#">RYB</a>	<a href="#">85, 207, 234</a>
Decimal	<a href="#">5630582</a>
CIELab	<a href="#">82.96, -63.32, 44.65</a>
CIELCh	<a href="#">83, 77.479, 144.807</a>
Yxy	<a href="#">62.0849, 0.2898, 0.4938</a>
Android (android.graphics.Color)	<a href="#">4283820662 (0xFF55EA76)</a>
YUV	<a href="#">176.2250, -28.7049, -80.0043</a>
Hunter-Lab	<a href="#">78.7940, -55.3403, 34.6867</a>

# Details

The XYZ color **36.4391, 62.0849, 27.2026** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **47.7245, 28.2075, 58.1889**, and the grayscale version is **41.5500, 43.7138, 47.6043**.

A 20% lighter version of the original color is **55.6008, 80.8881, 51.7122**, and **16.7055, 31.8376, 10.4191** is the 20% darker color. If you saturate the color by 10%, you get **33.6756, 60.7753, 21.9582**, and if you desaturate by 10%, it is **40.1170, 63.8453, 33.5839**.

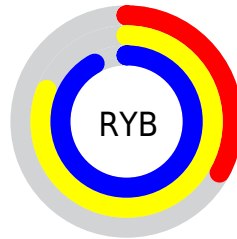
# Distribution



Red (33%)

Green (92%)

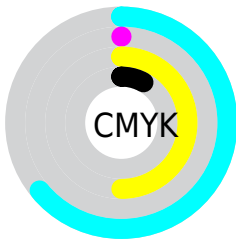
Blue (46%)



Red (33%)

Yellow (81%)

Blue (92%)

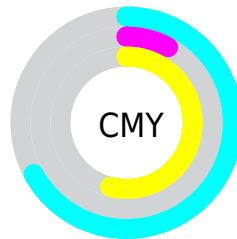


Cyan (64%)

Magenta (0%)

Yellow (50%)

Black (8%)



Cyan (67%)

Magenta (8%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4391, 62.0849, 27.2026 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 36.4391, 62.0849, 27.2026 by changing the saturation by 10% instead.





 36.4391, 62.0849,  
27.2026


 36.4391, 62.0849,  
27.2026


322.2736,  
432.2407, 302.4279

 24.9452, 45.1013,  
17.4917


 69.0287, 107.8482,  
56.2165


 16.1647, 31.5372,  
10.4200


 90.8551, 137.3967,  
76.3565

 9.7324, 21.0083,  
5.5691


 116.8564,  
171.9024, 100.8100

 5.2828, 13.1301,  
2.5204

 147.3980,  
211.7495, 129.9954

 2.4506, 7.5182,  
0.8509

182.8451,  
257.3225, 164.3314

 0.8704, 3.7882,  
0.0000

223.5632,

 0.0000, 1.5558,

309.0057, 204.2365

0.0000

269.9175,  
367.1837, 250.1291

■ 0.0000, 0.3275,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.4391, 62.0849,  
27.2026

■ 36.4391, 62.0849,  
27.2026

■ 33.6756, 60.7753,  
21.9582

■ 40.1170, 63.8453,  
33.5839

■ 31.7374, 59.8666,  
17.7794


■ 44.7781, 66.0853,  
41.1593


■ 30.5248, 59.3107,  
14.5935


■ 50.4900, 68.8405,  
49.9872


■ 30.0400, 59.0944,  
13.0517

■ 57.3128, 72.1405,  
60.1210

 65.3019, 76.0130,  
71.6109

 74.5091, 80.4836,  
84.5044

 84.9830, 85.5765,  
98.8467

 88.7140, 87.3280,  
106.7880

# Harmonies

## Analogous

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



46.5204, 62.0849, 13.7283



36.4391, 62.0849, 27.2026



32.4293, 62.0849, 59.6020

# Triad

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



36.4391, 62.0849, 27.2026



56.1468, 62.0849, 207.0456



93.2763, 62.0849, 35.8554

# Complementary

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



36.4391, 62.0849, 27.2026



47.7245, 28.2075, 58.1889

# 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.



97.1766, 62.0849, 76.2830



36.4391, 62.0849, 27.2026



73.5556, 62.0849, 190.3890

# Square

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



36.4391, 62.0849, 27.2026



42.3495, 62.0849, 174.2438



89.3822, 62.0849, 135.7796



79.5505, 62.0849, 16.8144



# Rectangle

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



36.4391, 62.0849, 27.2026



33.0613, 62.0849, 93.9723



89.3822, 62.0849, 135.7796



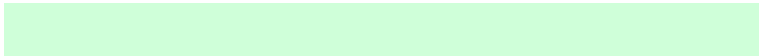
95.8774, 62.0849, 46.6902

# Sweetspot

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



36.4406, 62.0875, 27.2040



73.9275, 89.7451, 79.2636



55.3452, 72.0215, 19.5791



15.2429, 18.9278, 16.1259



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



36.4406, 62.0875, 27.2040



40.2018, 73.5205, 25.2018



42.6612, 64.5757, 59.9612



15.0049, 16.9168, 16.7087



16.9187, 33.2220, 7.5372



1.3638, 2.6228, 0.7777



# Inverse Universe

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



47.7245, 28.2075, 58.1889



54.8127, 29.3762, 65.1189



41.0267, 25.5283, 22.9186



15.5637, 15.2533, 18.2538



23.8718, 11.7514, 26.1899

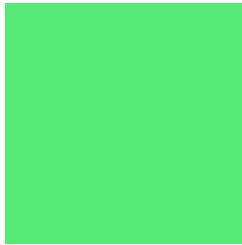


1.9097, 0.9368, 2.2416



# Previews

## White Background



This preview shows how the XYZ color 36.4391, 62.0849, 27.2026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 36.4391, 62.0849, 27.2026 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 ✓ Pass

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

**XYZ 36.4391, 62.0849, 27.2026**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.4391, 62.0849, 27.2026.



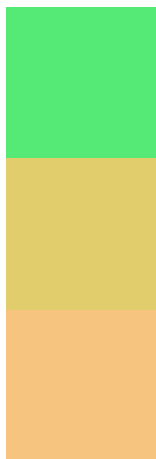
This preview shows how white text looks on a background with the XYZ color 36.4391, 62.0849,



# 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

36.4391, 62.0849, 27.2026

### Protanopia

55.9021, 60.9141, 22.9986

### Deuteranopia

61.9940, 60.8125, 28.8926



## Tritanopia

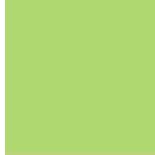
49.1822, 61.9380, 91.0244

# Trichromacy



## Original Color

36.4391, 62.0849, 27.2026



## Protanomaly

45.1597, 59.3955, 24.4136



## Deuteranomaly

47.4237, 58.2398, 27.8107



## Tritanomaly

43.1101, 61.4586, 61.2203

# Monochromacy



## Original Color

36.4391, 62.0849, 27.2026



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

37.2103, 48.1387, 38.3409

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.4391, 62.0849, 27.2026 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(85, 234, 118)` looks like.

```
.text, #text, p{  
    color:rgb(85, 234, 118)  
}
```

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(85, 234, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 234, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 36.4391, 62.0849, 27.2026 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(85, 234, 118) }
```



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

```
.border{ border-color:rgb(85, 234, 118) }
```

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

Here you see how a box with a 4 pixel rgb(85, 234, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 234, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 234, 118);  
box-shadow:4px 4px 4px 4px rgb(85, 234,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.4391, 62.0849, 27.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 234, 118) }
```

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

```
.background{ background-color: rgb(85, 234,  
118) }
```

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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