

# Converting Colors

XYZ(34.2596, 55.7849, 17.5934)

Have a look what the booklet for  
XYZ(34.2596, 55.7849, 17.5934)  
contains.

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# Color

**XYZ(34.3062, 55.8795,  
17.5720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71DD55
RGB	113, 221, 85
RGB Percent	44%, 87%, 33%
CMY	0.5569, 0.1333, 0.6667
CMYK	0.49, 0.00, 0.62, 0.13
HSL	108°, 67%, 60%
HSV	108°, 62%, 87%
XYZ	34.3062, 55.8795, 17.5720
YIQ	173.2040, -20.7120, -65.1920

# Conversions

## Conversions Part 2

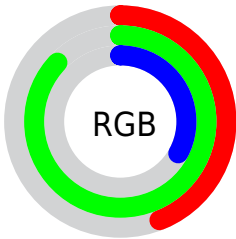
Format	Color
<a href="#">RYB</a>	<a href="#">85, 221, 193</a>
Decimal	<a href="#">7462229</a>
CIELab	<a href="#">79.55, -55.83, 55.84</a>
CIELCh	<a href="#">80, 78.969, 134.995</a>
Yxy	<a href="#">55.8795, 0.3184, 0.5186</a>
Android (android.graphics.Color)	<a href="#">4285652309 (0xFF71DD55)</a>
YUV	<a href="#">173.2040, -43.4846, -52.7989</a>
Hunter-Lab	<a href="#">74.7526, -48.8980, 38.3896</a>

# Details

The XYZ color **34.3062, 55.8795, 17.5720** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **38.2949, 23.0568, 70.8417**, and the grayscale version is **40.0486, 42.1342, 45.8841**.

A 20% lighter version of the original color is **57.4335, 82.1547, 37.2565**, and **14.9684, 27.6675, 5.5884** is the 20% darker color. If you saturate the color by 10%, you get **31.5182, 54.5300, 13.5527**, and if you desaturate by 10%, it is **37.8076, 57.5685, 23.0579**.

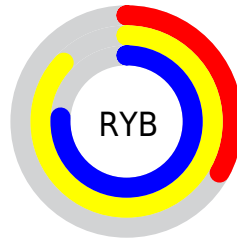
# Distribution



Red (44%)

Green (87%)

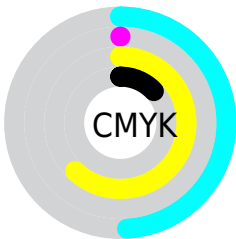
Blue (33%)



Red (33%)

Yellow (87%)

Blue (76%)

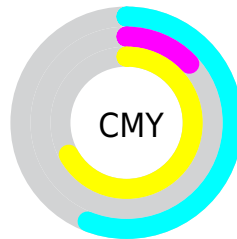


Cyan (49%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (56%)

Magenta (13%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3062, 55.8795, 17.5720 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 34.3062, 55.8795, 17.5720 by changing the saturation by 10% instead.





 34.3062, 55.8795,  
17.5720


 34.3062, 55.8795,  
17.5720


313.0572,  
409.2372, 250.6020


 23.2929, 40.1063,  
10.4769


 65.7507, 98.8284,  
40.1107


 14.9318, 27.6215,  
5.6066


 86.9126, 126.7729,  
56.3914

 8.8576, 18.0405,  
2.5425


 112.1881,  
159.5432, 76.5710

 4.7048, 10.9791,  
0.8625

 141.9426,  
197.5239, 101.0681

 2.1081, 6.0528,  
0.0000

176.5414,  
241.0992, 130.3012

 0.6936, 2.8772,  
0.0000

216.3499,

 0.0000, 1.0680,

290.6536, 164.6888

0.0000

261.7333,  
346.5715, 204.6496

■ 0.0000, 0.0000,  
0.0000

■ 34.3062, 55.8795,  
17.5720

■ 34.3062, 55.8795,  
17.5720

■ 31.5182, 54.5300,  
13.5527

■ 37.8076, 57.5685,  
23.0579

■ 29.3880, 53.4893,  
10.8554

■ 42.0649, 59.6111,  
30.1294

■ 27.8572, 52.7327,  
9.3131

■ 47.1216, 62.0291,  
38.8975

■ 26.9617, 52.2844,  
8.6709

■ 53.0168, 64.8404,  
49.4625

■ 59.7869, 68.0619,  
61.9165

67.4661, 71.7092,  
76.3455

76.0869, 75.7975,  
92.8302

84.5643, 79.8945,  
105.5719

85.1476, 80.1952,  
105.5992

# Harmonies

## Analogous

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



45.5925, 55.8795, 9.4192



34.3062, 55.8795, 17.5720



28.7294, 55.8795, 40.8845

# Triad

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



34.3062, 55.8795, 17.5720



45.5878, 55.8795, 190.5331



88.4276, 55.8795, 40.8960

# Complementary

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



34.3062, 55.8795, 17.5720



38.2949, 23.0568, 70.8417

# 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.



88.4256, 55.8795, 86.4253



34.3062, 55.8795, 17.5720



61.4154, 55.8795, 190.5416

# Square

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



34.3062, 55.8795, 17.5720



34.3033, 55.8795, 146.0474



77.7747, 55.8795, 146.0670



77.7797, 55.8795, 17.5768



# Rectangle

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



34.3062, 55.8795, 17.5720



28.1192, 55.8795, 68.7841



77.7747, 55.8795, 146.0670



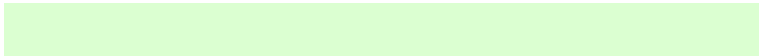
89.7324, 55.8795, 53.5384

# Sweetspot

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



34.3075, 55.8819, 17.5732



76.3588, 91.1186, 73.9496



50.2082, 53.5253, 16.2803



15.7799, 19.2346, 14.7984



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.



34.3075, 55.8819, 17.5732



42.5950, 74.9289, 17.4185



33.2132, 55.0902, 27.7987



13.1357, 14.7347, 13.8773



15.7374, 30.4104, 5.0404



1.0914, 2.0072, 0.3299



# Inverse Universe

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



38.2949, 23.0568, 70.8417



48.3806, 25.7742, 97.0327



41.5612, 25.2674, 47.1981



13.3382, 13.1325, 16.4840



18.0141, 8.4108, 40.4124

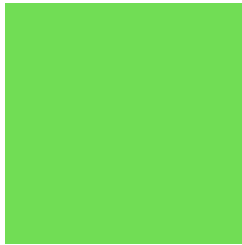


1.2346, 0.5797, 2.6213



# Previews

## White Background



This preview shows how the XYZ color 34.3062, 55.8795, 17.5720 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 34.3062, 55.8795, 17.5720 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 34.3062, 55.8795, 17.5720**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.3062, 55.8795, 17.5720.



This preview shows how white text looks on a background with the XYZ color 34.3062, 55.8795,



# 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

34.3062, 55.8795, 17.5720

### Protanopia

50.0285, 54.9353, 15.1745

### Deuteranopia

55.9001, 54.6448, 18.4277



## Tritanopia

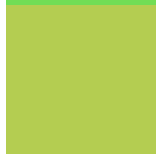
46.4148, 55.4964, 78.7866

# Trichromacy



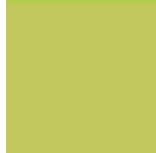
## Original Color

34.3062, 55.8795, 17.5720



## Protanomaly

42.1389, 53.9600, 15.9790



## Deuteranomaly

44.5599, 53.0715, 17.7928



## Tritanomaly

40.2922, 54.8499, 47.9986

# Monochromacy



## Original Color

34.3062, 55.8795, 17.5720



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

35.9837, 45.3293, 32.0522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.3062, 55.8795, 17.5720 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(113, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(113, 221, 85)  
}
```

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(113, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 221, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 34.3062, 55.8795, 17.5720 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(113, 221, 85) }
```



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

```
.border{ border-color:rgb(113, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(113, 221,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.3062, 55.8795, 17.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 221, 85) }
```

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

```
.background{ background-color: rgb(113,  
221, 85) }
```

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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