

# Converting Colors

XYZ(35.7412, 60.6854, 25.2990)

Have a look what the booklet for  
XYZ(35.7412, 60.6854, 25.2990)  
contains.

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# Color

**XYZ(35.6204, 60.4455,  
25.1190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59E770
RGB	89, 231, 112
RGB Percent	35%, 91%, 44%
CMY	0.6510, 0.0941, 0.5608
CMYK	0.61, 0.00, 0.52, 0.09
HSL	130°, 75%, 63%
HSV	130°, 61%, 91%
XYZ	35.6204, 60.4455, 25.1190
YIQ	174.9760, -46.4330, -67.1130

# Conversions

## Conversions Part 2

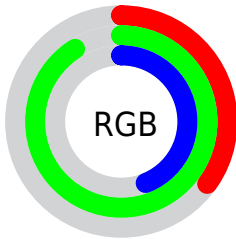
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 211, 231
Decimal	5891952
CIELab	82.08, -62.27, 46.44
CIELCh	82, 77.681, 143.285
Yxy	60.4455, 0.2939, 0.4988
Android (android.graphics.Color)	4284082032 (0xFF59E770)
YUV	174.9760, -31.0472, -75.4010
Hunter-Lab	77.7467, -54.2752, 35.2668

# Details

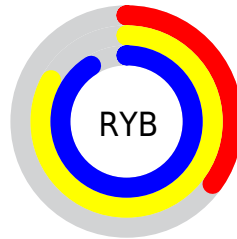
The XYZ color **35.6204, 60.4455, 25.1190** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **47.9144, 28.6889, 62.6884**, and the grayscale version is **40.9093, 43.0398, 46.8704**.

A 20% lighter version of the original color is **55.4054, 80.8525, 48.7623**, and **15.9517, 30.5983, 9.3403** is the 20% darker color. If you saturate the color by 10%, you get **32.7773, 59.0930, 19.9522**, and if you desaturate by 10%, it is **39.3935, 62.2541, 31.5416**.

# Distribution



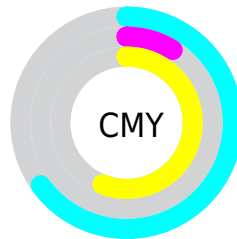
- Red (35%)
- Green (91%)
- Blue (44%)



- Red (35%)
- Yellow (83%)
- Blue (91%)



- Cyan (61%)
- Magenta (0%)
- Yellow (52%)
- Black (9%)




- Cyan (65%)
- Magenta (9%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6204, 60.4455, 25.1190 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 35.6204, 60.4455, 25.1190 by changing the saturation by 10% instead.





 35.6204, 60.4455,  
25.1190


 35.6204, 60.4455,  
25.1190


318.7586,  
426.2379, 291.8967


 24.3099, 43.7778,  
15.9459


 67.7735, 105.4757,  
52.8167


 15.6897, 30.4959,  
9.3319


 89.3468, 134.6069,  
72.1784

 9.3943, 20.2153,  
4.8586


 115.0717,  
168.6615, 95.7734

 5.0584, 12.5516,  
2.1072

 145.3137,  
208.0238, 124.0203

 2.3167, 7.1205,  
0.6201

180.4380,  
253.0782, 157.3375

 0.8032, 3.5376,  
0.0000

220.8100,

 0.0000, 1.4184,

304.2091, 196.1436

0.0000

266.7951,  
361.8009, 240.8571

■ 0.0000, 0.2302,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.6204, 60.4455,  
25.1190

■ 35.6204, 60.4455,  
25.1190

■ 32.7773, 59.0930,  
19.9522

■ 39.3935, 62.2541,  
31.5416

■ 30.7771, 58.1483,  
15.9548

■ 44.1646, 64.5472,  
39.2904

■ 29.5237, 57.5654,  
13.0363


■ 50.0005, 67.3593,  
48.4358


■ 28.9176, 57.2903,  
11.3189

■ 56.9608, 70.7199,  
59.0418

 65.1007, 74.6562,  
71.1685

 74.4717, 79.1935,  
84.8725

 85.1224, 84.3557,  
100.2077

 87.8671, 85.6341,  
106.5057

# Harmonies

## Analogous

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



45.8199, 60.4455, 12.7118



35.6204, 60.4455, 25.1190



31.3896, 60.4455, 55.7681

# Triad

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



35.6204, 60.4455, 25.1190



53.8272, 60.4455, 203.2373



91.7283, 60.4455, 36.0778

# Complementary

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



35.6204, 60.4455, 25.1190



47.9144, 28.6889, 62.6884

# 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.



94.9930, 60.4455, 77.0012



35.6204, 60.4455, 25.1190



70.9020, 60.4455, 189.2266

# Square

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



35.6204, 60.4455, 25.1190



40.5218, 60.4455, 168.5810



86.7616, 60.4455, 136.2940



78.5412, 60.4455, 16.5953



# Rectangle

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



35.6204, 60.4455, 25.1190



31.8127, 60.4455, 88.9340



86.7616, 60.4455, 136.2940



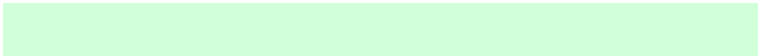
94.1146, 60.4455, 47.0957

# Sweetspot

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



35.6219, 60.4480, 25.1204



74.5467, 90.0755, 78.7861



56.8744, 71.5336, 20.2614



15.3474, 18.9856, 15.9507



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.



35.6219, 60.4480, 25.1204



40.1784, 73.5493, 23.3552



41.0687, 62.6267, 53.8031



14.2841, 16.1271, 15.7606



16.2408, 32.1284, 6.5022



1.2291, 2.3858, 0.6329



# Inverse Universe

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



47.9144, 28.6889, 62.6884



56.7194, 30.5970, 73.7467



41.1674, 25.9901, 27.1592



14.8896, 14.5730, 17.6188



23.9468, 11.7129, 29.6787

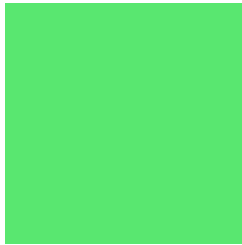


1.7965, 0.8763, 2.3349



# Previews

## White Background



This preview shows how the XYZ color 35.6204, 60.4455, 25.1190 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 35.6204, 60.4455, 25.1190 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 35.6204, 60.4455, 25.1190

## Background



This preview shows how black text looks on a background with the XYZ color 35.6204, 60.4455, 25.1190.



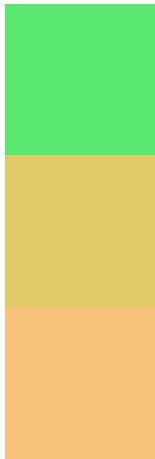
This preview shows how white text looks on a background with the XYZ color 35.6204, 60.4455,



# 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

35.6204, 60.4455, 25.1190

### Protanopia

54.4947, 59.5185, 21.1864

### Deuteranopia

60.5889, 59.1379, 26.6337



## **Tritanopia**

48.0928, 60.2785, 87.6974

# Trichromacy



## Original Color

35.6204, 60.4455, 25.1190



## Protanomaly

44.0750, 57.7431, 22.4582



## Deuteranomaly

46.5691, 56.7525, 25.6394



## Tritanomaly

42.1123, 59.8081, 58.0398

# Monochromacy



## Original Color

35.6204, 60.4455, 25.1190



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

36.6842, 47.2265, 36.8879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6204, 60.4455, 25.1190 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(89, 231, 112)` looks like.

```
.text, #text, p{  
    color:rgb(89, 231, 112)  
}
```

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(89, 231, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 231, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6204, 60.4455, 25.1190 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(89, 231, 112) }
```



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

```
.border{ border-color:rgb(89, 231, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 231, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 231, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 231, 112);  
box-shadow:4px 4px 4px 4px rgb(89, 231,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6204, 60.4455, 25.1190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 231, 112) }
```

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

```
.background{ background-color: rgb(89, 231,  
112) }
```

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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