

# Converting Colors

XYZ(35.6004, 57.5129, 27.9651)

Have a look what the booklet for  
XYZ(35.6004, 57.5129, 27.9651)  
contains.

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# Color

**XYZ(35.5976, 57.5081,  
27.9629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65E07B
RGB	101, 224, 123
RGB Percent	40%, 88%, 48%
CMY	0.6039, 0.1216, 0.5176
CMYK	0.55, 0.00, 0.45, 0.12
HSL	131°, 66%, 64%
HSV	131°, 55%, 88%
XYZ	35.5976, 57.5081, 27.9629
YIQ	175.7090, -40.8870, -57.4870

# Conversions

## Conversions Part 2

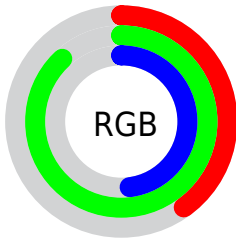
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 205, 224
Decimal	6676603
CIELab	80.46, -55.38, 39.19
CIELCh	80, 67.849, 144.716
Yxy	57.5081, 0.2940, 0.4750
Android (android.graphics.Color)	4284866683 (0xFF65E07B)
YUV	175.7090, -25.9855, -65.5198
Hunter-Lab	75.8341, -48.9192, 31.2214

# Details

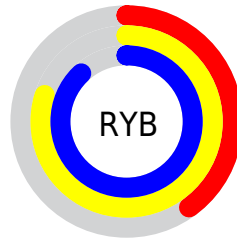
The XYZ color **35.5976, 57.5081, 27.9629** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **46.0565, 29.4198, 59.1296**, and the grayscale version is **41.2627, 43.4115, 47.2752**.

A 20% lighter version of the original color is **58.1930, 82.1679, 54.3879**, and **15.7374, 28.7644, 10.8535** is the 20% darker color. If you saturate the color by 10%, you get **32.3779, 55.9707, 22.3565**, and if you desaturate by 10%, it is **39.7200, 59.4891, 34.7433**.

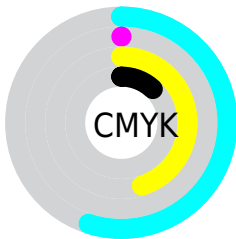
# Distribution



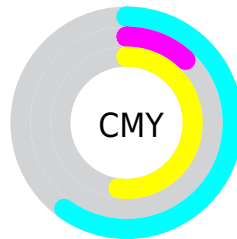
- Red (40%)
- Green (88%)
- Blue (48%)



- Red (40%)
- Yellow (80%)
- Blue (88%)



- Cyan (55%)
- Magenta (0%)
- Yellow (45%)
- Black (12%)



- Cyan (60%)
- Magenta (12%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5976, 57.5081, 27.9629 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 35.5976, 57.5081, 27.9629 by changing the saturation by 10% instead.





 35.5976, 57.5081,  
27.9629


 35.5976, 57.5081,  
27.9629


318.6603,  
415.3505, 306.1960


 24.2922, 41.4133,  
18.0589


 67.7385, 101.2062,  
57.4476


 15.6765, 28.6422,  
10.8224


 89.3047, 129.5783,  
77.8654

 9.3849, 18.8103,  
5.8349


 115.0219,  
162.8116, 102.6248

 5.0522, 11.5333,  
2.6778

 145.2554,  
201.2906, 132.1445

 2.3130, 6.4267,  
0.9322

180.3707,  
245.3995, 166.8428

 0.8013, 3.1063,  
0.0000

220.7330,

 0.0000, 1.1875,

295.5229, 207.1385

0.0000

266.7078,  
352.0451, 253.4501

■ 0.0000, 0.0514,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.5976, 57.5081,  
27.9629

■ 35.5976, 57.5081,  
27.9629

■ 32.3779, 55.9707,  
22.3565

■ 39.7200, 59.4891,  
34.7433

■ 29.9873, 54.8355,  
17.8536


■ 44.8024, 61.9371,  
42.7552


■ 28.3479, 54.0655,  
14.3820


■ 50.9026, 64.8824,  
52.0569


■ 27.3636, 53.6129,  
11.8595

■ 58.0724, 68.3503,  
62.7018

 27.0410, 53.4673,  
10.9086

 66.3602, 72.3650,  
74.7405

 75.8111, 76.9485,  
88.2208

 85.4291, 81.5865,  
103.1396

 85.9468, 81.7936,  
105.8656

# Harmonies

## Analogous

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



44.2177, 57.5081, 15.6144



35.5976, 57.5081, 27.9629



32.1104, 57.5081, 55.8213

# Triad

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



35.5976, 57.5081, 27.9629



52.2324, 57.5081, 174.1170



82.7472, 57.5081, 35.7295

# Complementary

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



35.5976, 57.5081, 27.9629



46.0565, 29.4198, 59.1296

# 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.



85.8676, 57.5081, 69.9421



35.5976, 57.5081, 27.9629



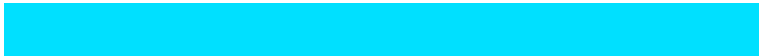
66.6285, 57.5081, 161.2115

# Square

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



35.5976, 57.5081, 27.9629



40.6147, 57.5081, 148.3150



79.5408, 57.5081, 118.1314



71.6184, 57.5081, 18.5804



# Rectangle

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



35.5976, 57.5081, 27.9629



32.6493, 57.5081, 84.1705



79.5408, 57.5081, 118.1314



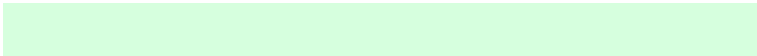
84.8392, 57.5081, 45.0973

# Sweetspot

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



35.5990, 57.5105, 27.9642



76.6676, 91.0933, 82.2970



53.7718, 67.0206, 22.4143



15.9652, 19.2825, 16.9587



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.



35.5990, 57.5105, 27.9642



42.8619, 74.8116, 28.9505



40.5713, 59.4994, 54.1476



13.6284, 15.3771, 15.0783



15.7691, 31.1325, 6.5073



1.1229, 2.1699, 0.6085



# Inverse Universe

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



46.0565, 29.4198, 59.1296



58.2003, 33.4584, 74.5500



40.2782, 27.1085, 28.7015



14.1843, 13.8914, 16.7407



22.9638, 11.2525, 27.5388

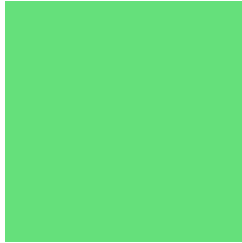


1.6196, 0.7911, 2.0556



# Previews

## White Background



This preview shows how the XYZ color 35.5976, 57.5081, 27.9629 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 35.5976, 57.5081, 27.9629 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

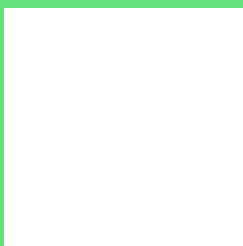
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.5976, 57.5081, 27.9629**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.5976, 57.5081, 27.9629.



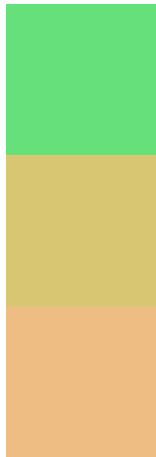
This preview shows how white text looks on a background with the XYZ color 35.5976, 57.5081,



# 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

35.5976, 57.5081, 27.9629

### Protanopia

51.8466, 56.3548, 24.0645

### Deuteranopia

57.5542, 56.2110, 29.2891



## **Tritanopia**

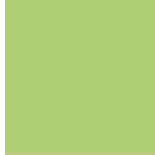
46.4387, 57.2561, 82.7327

# Trichromacy



## Original Color

35.5976, 57.5081, 27.9629



## Protanomaly

43.2029, 55.0240, 25.1733



## Deuteranomaly

45.7558, 54.4909, 28.5283



## Tritanomaly

41.3213, 56.6810, 57.4779

# Monochromacy



## Original Color

35.5976, 57.5081, 27.9629



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

37.5502, 46.9638, 38.9841

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5976, 57.5081, 27.9629 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(101, 224, 123)` looks like.

```
.text, #text, p{  
    color:rgb(101, 224, 123)  
}
```

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(101, 224, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 224, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5976, 57.5081, 27.9629 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(101, 224, 123) }
```



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

```
.border{ border-color:rgb(101, 224, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 224, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 224, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 224, 123);  
box-shadow:4px 4px 4px 4px rgb(101, 224,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5976, 57.5081, 27.9629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 224, 123) }
```

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

```
.background{ background-color: rgb(101,  
224, 123) }
```

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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