

# Converting Colors

XYZ(37.5894, 53.8086, 30.8450)

Have a look what the booklet for  
XYZ(37.5894, 53.8086, 30.8450)  
contains.

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# Color

**XYZ(37.6781, 53.8765,  
30.9676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86D486
RGB	134, 212, 134
RGB Percent	53%, 83%, 53%
CMY	0.4745, 0.1686, 0.4745
CMYK	0.37, 0.00, 0.37, 0.17
HSL	120°, 48%, 68%
HSV	120°, 37%, 83%
XYZ	37.6781, 53.8765, 30.9676
YIQ	179.7860, -21.4500, -40.7940

# Conversions

## Conversions Part 2

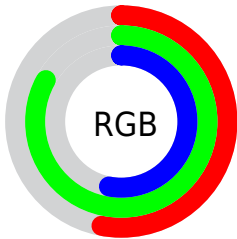
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">134, 212, 212</a>
Decimal	<a href="#">8836230</a>
CIELab	<a href="#">78.39, -39.55, 31.21</a>
CIElCh	<a href="#">78, 50.386, 141.720</a>
Yxy	<a href="#">53.8765, 0.3075, 0.4397</a>
Android (android.graphics.Color)	<a href="#">4287026310 (0xFF86D486)</a>
YUV	<a href="#">179.7860, -22.5725, -40.1543</a>
Hunter-Lab	<a href="#">73.4006, -36.8232, 26.3661</a>

# Details

The XYZ color **37.6781, 53.8765, 30.9676** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **47.5619, 35.8018, 66.6931**, and the grayscale version is **43.3943, 45.6541, 49.7173**.

A 20% lighter version of the original color is **66.0723, 86.0980, 60.7131**, and **16.9266, 26.4439, 12.3957** is the 20% darker color. If you saturate the color by 10%, you get **33.2985, 51.7744, 23.8029**, and if you desaturate by 10%, it is **43.0342, 56.4509, 39.7275**.

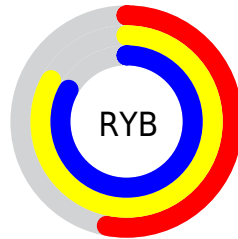
# Distribution



Red (53%)

Green (83%)

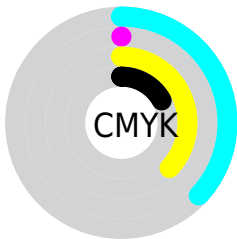
Blue (53%)



Red (53%)

Yellow (83%)

Blue (83%)

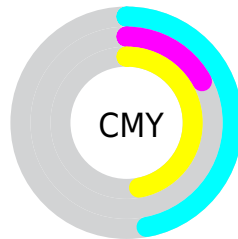


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (17%)



Cyan (47%)

Magenta (17%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6781, 53.8765, 30.9676 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 37.6781, 53.8765, 30.9676 by changing the saturation by 10% instead.





 37.6781, 53.8765,  
30.9676


 37.6781, 53.8765,  
30.9676


327.5419,  
401.6389, 320.7356


 25.9090, 38.5029,  
20.3159


 70.9216, 95.8929,  
62.2680

 16.8879, 26.3733,  
12.4385

 93.1267, 123.3045,  
83.7539

 10.2494, 17.1031,  
6.9169


 119.5412,  
155.4976, 109.6882

 5.6282, 10.3080,  
3.3325

150.5304,  
192.8565, 140.4895

 2.6588, 5.6037,  
1.2668

186.4597,  
235.7657, 176.5763

 0.9760, 2.6056,  
0.0344

227.6945,

 0.0000, 0.9295,

284.6096, 218.3673

0.0000

274.6001,  
339.7725, 266.2809

■ 0.0000, 0.0000,  
0.0000

■ 37.6781, 53.8765,  
30.9676

■ 37.6781, 53.8765,  
30.9676

■ 33.2985, 51.7744,  
23.8029

■ 43.0342, 56.4509,  
39.7275

■ 29.8327, 50.1096,  
18.1340

■ 49.4165, 59.5166,  
50.1668

■ 27.2175, 48.8533,  
13.8562

■ 56.8758, 63.0998,  
62.3679

■ 25.3794, 47.9704,  
10.8497

■ 65.4589, 67.2227,  
76.4070

■ 24.2330, 47.4198,  
8.9744

■ 75.2095, 71.9063,  
92.3558

■ 23.6669, 47.1478,  
8.0484

■ 82.8345, 75.5690,  
104.8282

■ 23.5445, 47.0890,  
7.8482

# Harmonies

## Analogous

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



44.4851, 53.8765, 21.2070



37.6781, 53.8765, 30.9676



34.5940, 53.8765, 51.1601

# Triad

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



37.6781, 53.8765, 30.9676



48.5167, 53.8765, 130.7886



70.9941, 53.8765, 40.7204

# Complementary

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



37.6781, 53.8765, 30.9676



47.5619, 35.8018, 66.6931

# 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.



72.4366, 53.8765, 66.8643



37.6781, 53.8765, 30.9676



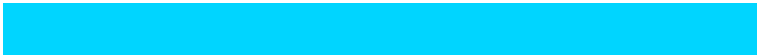
58.5763, 53.8765, 125.2366

# Square

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



37.6781, 53.8765, 30.9676



40.3028, 53.8765, 112.6718



67.6417, 53.8765, 99.3060



63.9218, 53.8765, 25.4435

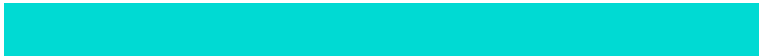


# Rectangle

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



37.6781, 53.8765, 30.9676



34.7469, 53.8765, 70.4408



67.6417, 53.8765, 99.3060



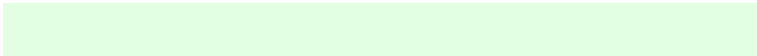
72.1870, 53.8765, 48.2760

# Sweetspot

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



37.6795, 53.8788, 30.9688



81.2811, 93.3861, 86.3785



55.0003, 62.8080, 31.7791



17.0653, 19.8289, 17.9453



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

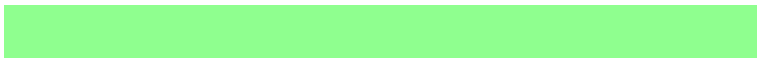


# Same Dimension

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



37.6795, 53.8788, 30.9688



51.9960, 79.3190, 38.4774



40.9193, 55.1747, 48.0296



12.2625, 13.8960, 13.1966



14.5346, 29.0692, 4.8449



0.8767, 1.7533, 0.2922



# Inverse Universe

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



47.5619, 35.8018, 66.6931



69.0822, 48.0648, 100.2430



43.2209, 34.0654, 43.8338



12.9531, 12.6327, 15.6931



24.0981, 11.5756, 39.4163



1.4535, 0.6982, 2.3774



# Previews

## White Background



This preview shows how the XYZ color 37.6781, 53.8765, 30.9676 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 37.6781, 53.8765, 30.9676 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 37.6781, 53.8765, 30.9676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6781, 53.8765, 30.9676.



This preview shows how white text looks on a background with the XYZ color 37.6781, 53.8765,



# 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

37.6781, 53.8765, 30.9676

### Protanopia

49.4142, 53.3479, 27.4314

### Deuteranopia

54.3957, 53.2494, 32.2221



## Tritanopia

46.3531, 53.7870, 74.2685

# Trichromacy



## Original Color

37.6781, 53.8765, 30.9676



## Protanomaly

43.9081, 52.8386, 28.6535



## Deuteranomaly

46.3507, 52.3345, 31.7034



## Tritanomaly

42.5425, 53.6598, 55.1288

# Monochromacy



## Original Color

37.6781, 53.8765, 30.9676



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

40.5648, 48.1301, 41.8024

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6781, 53.8765, 30.9676 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(134, 212, 134)` looks like.

```
.text, #text, p{  
    color:rgb(134, 212, 134)  
}
```

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(134, 212, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 212, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6781, 53.8765, 30.9676 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(134, 212, 134) }
```



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

```
.border{ border-color:rgb(134, 212, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 212, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 212, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 212, 134);  
box-shadow:4px 4px 4px 4px rgb(134, 212,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6781, 53.8765, 30.9676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 212, 134) }
```

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

```
.background{ background-color: rgb(134,  
212, 134) }
```

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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