

# Converting Colors

XYZ(36.5745, 65.5493, 30.8155)

Have a look what the booklet for  
XYZ(36.5745, 65.5493, 30.8155)  
contains.

<b>XYZ(36.5792, 65.5502, 30.8032)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(36.5792, 65.5502,  
30.8032)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BF27F
RGB	43, 242, 127
RGB Percent	17%, 95%, 50%
CMY	0.8314, 0.0510, 0.5019
CMYK	0.82, 0.00, 0.48, 0.05
HSL	145°, 88%, 56%
HSV	145°, 82%, 95%
XYZ	36.5792, 65.5502, 30.8032
YIQ	169.3890, -81.6890, -77.9530

# Conversions

## Conversions Part 2

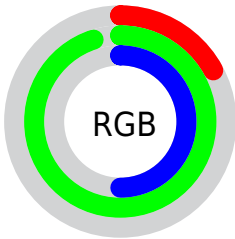
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 183, 242
Decimal	2880127
CIELab	84.77, -70.64, 42.44
CIELCh	85, 82.414, 149.003
Yxy	65.5502, 0.2752, 0.4931
Android (android.graphics.Color)	4281070207 (0xFF2BF27F)
YUV	169.3890, -20.8978, -110.8432
Hunter-Lab	80.9631, -61.0389, 34.1167

# Details

The XYZ color **36.5792, 65.5502, 30.8032** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **43.6556, 23.0750, 34.5037**, and the grayscale version is **38.0360, 40.0169, 43.5784**.

A 20% lighter version of the original color is **52.4127, 79.1413, 56.2294**, and **18.4105, 34.7890, 12.4012** is the 20% darker color. If you saturate the color by 10%, you get **34.9998, 64.8359, 26.2979**, and if you desaturate by 10%, it is **38.8891, 66.6301, 36.0060**.

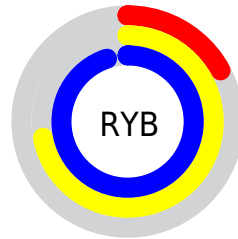
# Distribution



Red (17%)

Green (95%)

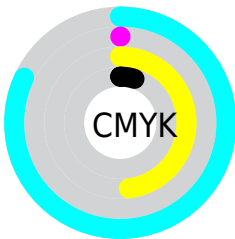
Blue (50%)



Red (17%)

Yellow (72%)

Blue (95%)

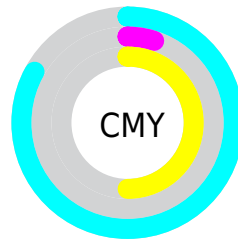


Cyan (82%)

Magenta (0%)

Yellow (48%)

Black (5%)



Cyan (83%)

Magenta (5%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5792, 65.5502, 30.8032 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 36.5792, 65.5502, 30.8032 by changing the saturation by 10% instead.





 36.5792, 65.5502,  
30.8032


 36.5792, 65.5502,  
30.8032


322.8723,  
444.7665, 319.9537


 25.0540, 47.9074,  
20.1918


 69.2432, 112.8405,  
62.0060


 16.2463, 33.7535,  
12.3491


 91.1127, 143.2568,  
83.4346


 9.7905, 22.7043,  
6.8565


 117.1610,  
178.6996, 109.3059

 5.3215, 14.3753,  
3.2954

 147.7535,  
219.5534, 140.0386

 2.4738, 8.3822,  
1.2474

 183.2555,  
266.2026, 176.0512

 0.8821, 4.3405,  
0.0181

224.0324,

 0.0000, 1.8658,

319.0316, 217.7622

0.0000

270.4496,  
378.4248, 265.5902

■ 0.0000, 0.5277,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.5792, 65.5502,  
30.8032

■ 36.5792, 65.5502,  
30.8032

■ 34.9998, 64.8359,  
26.2979


■ 38.8891, 66.6301,  
36.0060


■ 34.1591, 64.4691,  
23.2529

■ 42.0221, 68.1173,  
41.9320


■ 46.0613, 70.0559,  
48.6105


■ 51.0776, 72.4821,  
56.0679

 57.1348, 75.4281,  
64.3291

 64.2910, 78.9235,  
73.4177

 72.5997, 82.9954,  
83.3565

 82.1111, 87.6693,  
94.1674

 90.7025, 91.8504,  
105.7696

# Harmonies

## Analogous

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



46.6412, 65.5502, 14.2981



36.5792, 65.5502, 30.8032



33.1453, 65.5502, 69.6208

# Triad

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



36.5792, 65.5502, 30.8032



61.6886, 65.5502, 228.7101



98.7535, 65.5502, 32.5841

# Complementary

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



36.5792, 65.5502, 30.8032



43.6556, 23.0750, 34.5037

# 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.



104.9164, 65.5502, 73.1544



36.5792, 65.5502, 30.8032



81.1298, 65.5502, 202.1569

# Square

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



36.5792, 65.5502, 30.8032



45.7658, 65.5502, 198.6406



97.9172, 65.5502, 137.4995



82.4107, 65.5502, 14.9116



# Rectangle

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



36.5792, 65.5502, 30.8032



34.4270, 65.5502, 109.8184



97.9172, 65.5502, 137.4995



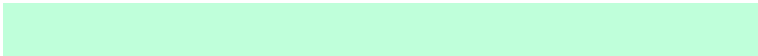
102.2118, 65.5502, 43.1450

# Sweetspot

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



36.5808, 65.5529, 30.8047



69.9845, 87.6991, 79.6778



46.5051, 71.0612, 13.5511



14.3681, 18.4725, 16.2797



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.



36.5808, 65.5529, 30.8047



38.5581, 72.6429, 26.4882



46.3980, 69.4797, 82.5011



15.8427, 17.7671, 18.1947



18.4147, 34.6579, 12.8328



1.5806, 2.9027, 1.3238



# Inverse Universe

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



43.6556, 23.0750, 34.5037



46.6479, 23.4675, 30.2712



38.2882, 20.9280, 6.2397



16.1558, 15.9120, 18.3765



22.2783, 11.1837, 14.6480

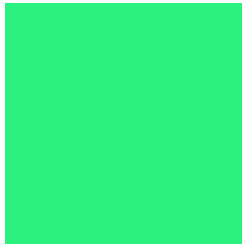


1.9029, 0.9502, 1.4797



# Previews

## White Background



This preview shows how the XYZ color 36.5792, 65.5502, 30.8032 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 36.5792, 65.5502, 30.8032 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

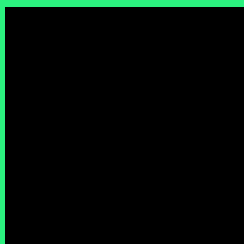
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

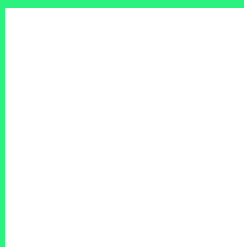
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.5792, 65.5502, 30.8032**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5792, 65.5502, 30.8032.



This preview shows how white text looks on a background with the XYZ color 36.5792, 65.5502,



# 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

36.5792, 65.5502, 30.8032

### Protanopia

58.7742, 64.1540, 25.5049

### Deuteranopia

65.3145, 63.8101, 32.5411



## Tritanopia

49.9534, 65.4067, 97.9876

# Trichromacy



## Original Color

36.5792, 65.5502, 30.8032



## Protanomaly

44.3513, 61.2558, 26.9388



## Deuteranomaly

46.4386, 59.5244, 31.2321



## Tritanomaly

43.4268, 64.8197, 66.7225

# Monochromacy



## Original Color

36.5792, 65.5502, 30.8032



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

33.7410, 46.0239, 37.6770

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5792, 65.5502, 30.8032 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(43, 242, 127)` looks like.

```
.text, #text, p{  
    color:rgb(43, 242, 127)  
}
```

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(43, 242, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 242, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5792, 65.5502, 30.8032 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(43, 242, 127) }
```



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

```
.border{ border-color:rgb(43, 242, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 242, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 242, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 242, 127);  
box-shadow:4px 4px 4px 4px rgb(43, 242,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5792, 65.5502, 30.8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 242, 127) }
```

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

```
.background{ background-color: rgb(43, 242,  
127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor