

# Converting Colors

XYZ(35.3421, 65.2577, 15.1481)

Have a look what the booklet for  
XYZ(35.3421, 65.2577, 15.1481)  
contains.

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# Color

**XYZ(35.3421, 65.2577,  
15.1481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49F23D
RGB	73, 242, 61
RGB Percent	29%, 95%, 24%
CMY	0.7137, 0.0510, 0.7608
CMYK	0.70, 0.00, 0.75, 0.05
HSL	116°, 87%, 59%
HSV	116°, 75%, 95%
XYZ	35.3421, 65.2577, 15.1481
YIQ	170.8350, -42.6230, -92.1190

# Conversions

## Conversions Part 2

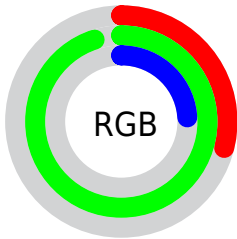
Format	Color
<a href="#">RYB</a>	<a href="#">61, 242, 230</a>
Decimal	<a href="#">4846141</a>
CIELab	<a href="#">84.62, -74.15, 69.84</a>
CIELCh	<a href="#">85, 101.861, 136.711</a>
Yxy	<a href="#">65.2577, 0.3053, 0.5638</a>
Android (android.graphics.Color)	<a href="#">4283036221 (0xFF49F23D)</a>
YUV	<a href="#">170.8350, -54.1487, -85.8013</a>
Hunter-Lab	<a href="#">80.7822, -63.2755, 45.4296</a>

# Details

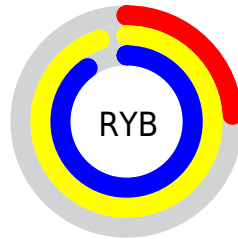
The XYZ color **35.3421, 65.2577, 15.1481** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **50.3335, 26.5741, 86.4844**, and the grayscale version is **38.9060, 40.9322, 44.5751**.

A 20% lighter version of the original color is **50.4779, 78.7157, 30.3025**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **33.4197, 64.3277, 12.3895**, and if you desaturate by 10%, it is **38.1830, 66.6311, 19.4862**.

# Distribution



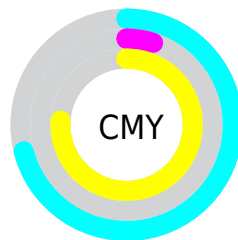
- Red (29%)
- Green (95%)
- Blue (24%)



- Red (24%)
- Yellow (95%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (75%)
- Black (5%)




- Cyan (71%)
- Magenta (5%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3421, 65.2577, 15.1481 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 35.3421, 65.2577, 15.1481 by changing the saturation by 10% instead.





 35.3421, 65.2577,  
15.1481


 35.3421, 65.2577,  
15.1481


317.5574,  
443.7175, 235.9325


 24.0943, 47.6701,  
8.7756


 67.3459, 112.4203,  
35.8588

 15.5287, 33.5657,  
4.5003


 88.8326, 142.7640,  
51.0340


 9.2800, 22.5601,  
1.9036


 114.4630,  
178.1286, 69.9806

 4.9828, 14.2691,  
0.4950

 144.6024,  
218.8983, 93.1170

 2.2718, 8.3080,  
0.0000

 179.6162,  
265.4577, 120.8619

 0.7802, 4.2927,  
0.0000

219.8697,

 0.0000, 1.8386,

318.1911, 153.6338

0.0000

265.7283,  
377.4829, 191.8511

■ 0.0000, 0.5111,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.3421, 65.2577,  
15.1481

■ 35.3421, 65.2577,  
15.1481

■ 33.4197, 64.3277,  
12.3895

■ 38.1830, 66.6311,  
19.4862


■ 32.2972, 63.7792,  
10.9760


■ 42.0334, 68.4850,  
25.5869


■ 31.9678, 63.6174,  
10.5945


■ 46.9782, 70.8617,  
33.6129


■ 53.0923, 73.7965,  
43.7073

 60.4439, 77.3219,  
55.9998

 69.0957, 81.4677,  
70.6092

 79.1066, 86.2618,  
87.6460

 90.5316, 91.7303,  
107.2135

 91.0435, 91.9870,  
107.5645

# Harmonies

## Analogous

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



50.2883, 65.2577, 5.9551



35.3421, 65.2577, 15.1481



28.4735, 65.2577, 45.9923

# Triad

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



35.3421, 65.2577, 15.1481



52.5122, 65.2577, 275.7370



114.0056, 65.2577, 40.7989

# Complementary

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



35.3421, 65.2577, 15.1481



50.3335, 26.5741, 86.4844

# 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.



115.0221, 65.2577, 103.8831



35.3421, 65.2577, 15.1481



75.4600, 65.2577, 270.9875

# Square

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



35.3421, 65.2577, 15.1481



36.6257, 65.2577, 206.6499



99.5863, 65.2577, 196.0676



97.0773, 65.2577, 13.3392



# Rectangle

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



35.3421, 65.2577, 15.1481



27.9585, 65.2577, 86.7079



99.5863, 65.2577, 196.0676



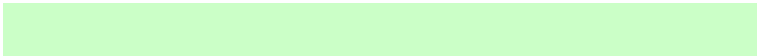
116.3415, 65.2577, 57.4084

# Sweetspot

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



35.3436, 65.2604, 15.1496



70.5817, 88.2817, 67.2920



65.7416, 75.7742, 15.5768



14.5718, 18.6392, 13.5019



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.



35.3436, 65.2604, 15.1496



36.8437, 72.0578, 12.9149



38.3707, 66.3762, 35.3842



15.6629, 17.7064, 16.7419



17.2115, 34.1944, 5.6930



1.4656, 2.8620, 0.4752



# Inverse Universe

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



50.3335, 26.5741, 86.4844



54.2733, 26.4258, 96.8479



44.9509, 24.8812, 37.3531



16.3448, 15.9750, 19.9436



25.4992, 12.1507, 46.1292

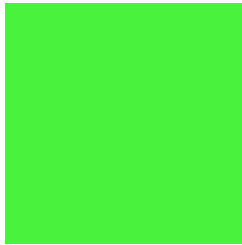


2.1522, 1.0268, 3.8390



# Previews

## White Background



This preview shows how the XYZ color 35.3421, 65.2577, 15.1481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

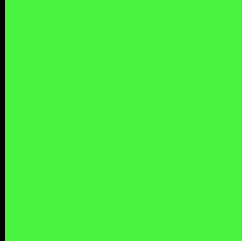
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3421, 65.2577, 15.1481 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

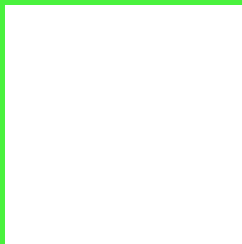
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 35.3421, 65.2577, 15.1481

## Background



This preview shows how black text looks on a background with the XYZ color 35.3421, 65.2577, 15.1481.



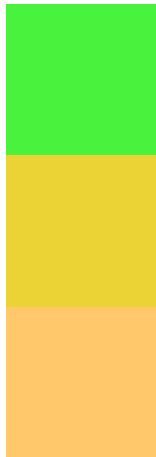
This preview shows how white text looks on a background with the XYZ color 35.3421, 65.2577,



# 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

35.3421, 65.2577, 15.1481

### Protanopia

57.9501, 64.0124, 12.6695

### Deuteranopia

64.4958, 63.6092, 22.5142



## Tritanopia

51.2712, 64.9174, 95.4160

# Trichromacy



## Original Color

35.3421, 65.2577, 15.1481



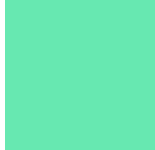
## Protanomaly

44.7396, 61.7582, 13.3039



## Deuteranomaly

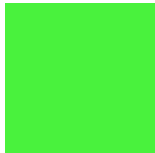
47.1322, 60.1579, 18.8004



## Tritanomaly

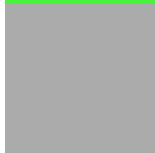
42.3859, 63.7711, 51.6701

# Monochromacy



## Original Color

35.3421, 65.2577, 15.1481



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

34.0547, 46.7221, 28.6961

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3421, 65.2577, 15.1481 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(73, 242, 61)` looks like.

```
.text, #text, p{  
    color:rgb(73, 242, 61)  
}
```

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(73, 242, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 242, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3421, 65.2577, 15.1481 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(73, 242, 61) }
```



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

```
.border{ border-color:rgb(73, 242, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 242, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 242, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 242, 61);  
box-shadow:4px 4px 4px 4px rgb(73, 242,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3421, 65.2577, 15.1481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 242, 61) }
```

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

```
.background{ background-color: rgb(73, 242,  
61) }
```

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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