

# Converting Colors

XYZ(35.2345, 63.9128, 14.2567)

Have a look what the booklet for  
XYZ(35.2345, 63.9128, 14.2567)  
contains.

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# Color

**XYZ(35.2365, 63.9033,  
14.2188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54EF38
RGB	84, 239, 56
RGB Percent	33%, 94%, 22%
CMY	0.6706, 0.0627, 0.7804
CMYK	0.65, 0.00, 0.77, 0.06
HSL	111°, 85%, 58%
HSV	111°, 77%, 94%
XYZ	35.2365, 63.9033, 14.2188
YIQ	171.7930, -33.6370, -89.7730

# Conversions

## Conversions Part 2

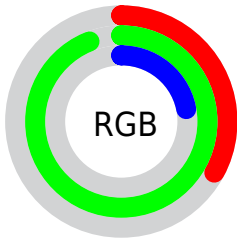
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 239, 211
Decimal	5566264
CIELab	83.92, -71.48, 70.80
CIELCh	84, 100.609, 135.275
Yxy	63.9033, 0.3108, 0.5637
Android (android.graphics.Color)	4283756344 (0xFF54EF38)
YUV	171.7930, -57.0859, -76.9945
Hunter-Lab	79.9395, -61.2133, 45.4118

# Details

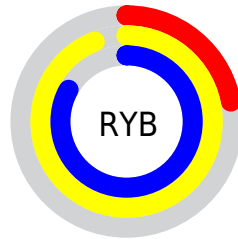
The XYZ color **35.2365, 63.9033, 14.2188** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **43.8623, 22.9119, 83.7753**, and the grayscale version is **39.4015, 41.4534, 45.1428**.

A 20% lighter version of the original color is **51.6749, 79.3603, 29.1175**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **33.2285, 62.9222, 11.7680**, and if you desaturate by 10%, it is **38.0498, 65.2711, 18.1648**.

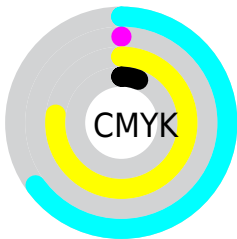
# Distribution



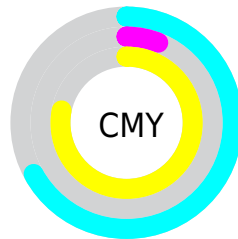
- Red (33%)
- Green (94%)
- Blue (22%)



- Red (22%)
- Yellow (94%)
- Blue (83%)



- Cyan (65%)
- Magenta (0%)
- Yellow (77%)
- Black (6%)




- Cyan (67%)
- Magenta (6%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2365, 63.9033, 14.2188 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 35.2365, 63.9033, 14.2188 by changing the saturation by 10% instead.





 35.2365, 63.9033,  
14.2188


 35.2365, 63.9033,  
14.2188


317.1008,  
438.8404, 230.0633


 24.0125, 46.5724,  
8.1325


 67.1836, 110.4717,  
34.1995

 15.4677, 32.6977,  
4.0909


 88.6374, 140.4779,  
48.9309


 9.2367, 21.8950,  
1.6753


 114.2318,  
175.4780, 67.3811

 4.9542, 13.7798,  
0.3437

 144.3322,  
215.8563, 89.9687

 2.2549, 7.9676,  
0.0000

 179.3039,  
261.9973, 117.1122

 0.7714, 4.0742,  
0.0000

219.5124,

 0.0000, 1.7152,

314.2854, 149.2301

0.0000

265.3229,  
373.1050, 186.7410

■ 0.0000, 0.4335,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.2365, 63.9033,  
14.2188

■ 35.2365, 63.9033,  
14.2188

■ 33.2285, 62.9222,  
11.7680

■ 38.0498, 65.2711,  
18.1648


■ 31.9306, 62.2782,  
10.5737


■ 41.7399, 67.0528,  
23.7883


■ 31.6150, 62.1208,  
10.3242


■ 46.3751, 69.2820,  
31.2503


■ 52.0159, 71.9868,  
40.6916

 58.7172, 75.1928,  
52.2394

 66.5302, 78.9238,  
66.0102

 75.5026, 83.2021,  
82.1121

 85.6794, 88.0488,  
100.6460

 90.1578, 90.2155,  
107.2693

# Harmonies

## Analogous

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



50.1998, 63.9033, 5.7909



35.2365, 63.9033, 14.2188



28.1700, 63.9033, 42.9650

# Triad

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



35.2365, 63.9033, 14.2188



50.5481, 63.9033, 266.6240



111.7510, 63.9033, 42.1508

# Complementary

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



35.2365, 63.9033, 14.2188



43.8623, 22.9119, 83.7753

# 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.



111.9098, 63.9033, 105.3948



35.2365, 63.9033, 14.2188



72.6569, 63.9033, 265.8833

# Square

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



35.2365, 63.9033, 14.2188



35.4378, 63.9033, 197.1080



96.2795, 63.9033, 195.4566



95.8874, 63.9033, 13.9338



# Rectangle

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



35.2365, 63.9033, 14.2188



27.4466, 63.9033, 81.4000



96.2795, 63.9033, 195.4566



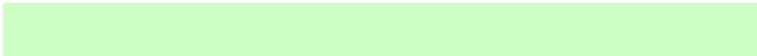
113.7501, 63.9033, 58.9631

# Sweetspot

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



35.2380, 63.9060, 14.2202



71.0294, 88.5464, 65.7812



58.9912, 63.9954, 12.9856



14.5348, 18.6332, 12.9099



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.



35.2380, 63.9060, 14.2202



37.5368, 72.4210, 12.6809



35.7104, 63.8610, 27.2759



15.7910, 17.7724, 16.7479



17.5387, 34.3631, 5.7084



1.5264, 2.8934, 0.4780



# Inverse Universe

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



43.8623, 22.9119, 83.7753



47.5547, 22.8121, 96.5045



45.0490, 24.3951, 44.4567



16.2029, 15.9018, 19.9370



22.2264, 10.4635, 45.9761

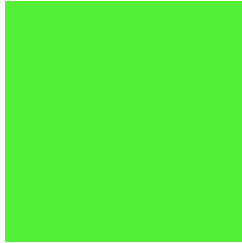


1.9126, 0.9032, 3.8278



# Previews

## White Background



This preview shows how the XYZ color 35.2365, 63.9033, 14.2188 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 35.2365, 63.9033, 14.2188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

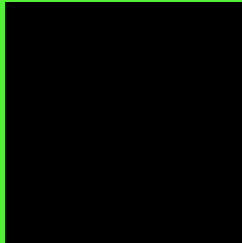
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.2365, 63.9033, 14.2188**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2365, 63.9033, 14.2188.



This preview shows how white text looks on a background with the XYZ color 35.2365, 63.9033,



# 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

35.2365, 63.9033, 14.2188

### Protanopia

56.6936, 62.6488, 11.9007

### Deuteranopia

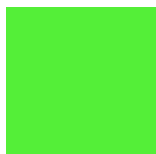
63.4996, 62.4744, 19.5384



## **Tritanopia**

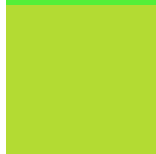
50.8690, 63.5618, 92.8067

# Trichromacy



## Original Color

35.2365, 63.9033, 14.2188



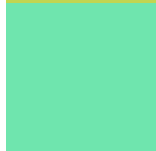
## Protanomaly

44.5195, 60.4858, 12.4605



## Deuteranomaly

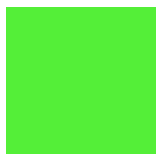
47.2718, 59.5200, 16.7816



## Tritanomaly

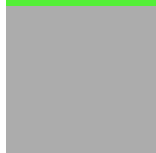
42.2148, 62.4741, 49.8782

# Monochromacy



## Original Color

35.2365, 63.9033, 14.2188



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

34.5844, 46.6670, 28.3039

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2365, 63.9033, 14.2188 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(84, 239, 56)` looks like.

```
.text, #text, p{  
    color:rgb(84, 239, 56)  
}
```

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(84, 239, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 239, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2365, 63.9033, 14.2188 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(84, 239, 56) }
```



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

```
.border{ border-color:rgb(84, 239, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 239, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 239, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 239, 56);  
box-shadow:4px 4px 4px 4px rgb(84, 239,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2365, 63.9033, 14.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 239, 56) }
```

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

```
.background{ background-color: rgb(84, 239,  
56) }
```

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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