

# Converting Colors

XYZ(63.3296, 85.6585, 16.5585)

Have a look what the booklet for  
XYZ(63.3296, 85.6585, 16.5585)  
contains.

<b>XYZ(63.2666, 85.6259, 16.5611)</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(63.2666, 85.6259,  
16.5611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FF35
RGB	211, 255, 53
RGB Percent	83%, 100%, 21%
CMY	0.1726, 0.0000, 0.7921
CMYK	0.17, 0.00, 0.79, 0.00
HSL	73°, 100%, 60%
HSV	73°, 79%, 100%
XYZ	63.2666, 85.6259, 16.5611
YIQ	218.8160, 38.6180, -72.1500

# Conversions

## Conversions Part 2

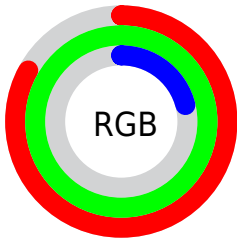
Format	Color
<a href="#">RYB</a>	<a href="#">53, 255, 97</a>
Decimal	<a href="#">13893429</a>
CIELab	<a href="#">94.15, -38.23, 83.16</a>
CIElCh	<a href="#">94, 91.524, 114.689</a>
Yxy	<a href="#">85.6259, 0.3824, 0.5175</a>
Android (android.graphics.Color)	<a href="#">4292083509 (0xFFD3FF35)</a>
YUV	<a href="#">218.8160, -81.7473, -6.8546</a>
Hunter-Lab	<a href="#">92.5343, -39.8927, 54.1627</a>

# Details

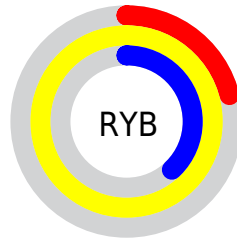
The XYZ color **63.2666, 85.6259, 16.5611** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **24.2544, 12.3090, 95.7053**, and the grayscale version is **67.7347, 71.2621, 77.6045**.

A 20% lighter version of the original color is **80.2109, 94.0644, 30.7583**, and **33.1430, 47.0636, 7.3374** is the 20% darker color. If you saturate the color by 10%, you get **61.2635, 84.6440, 14.1771**, and if you desaturate by 10%, it is **65.6365, 86.7609, 20.5910**.

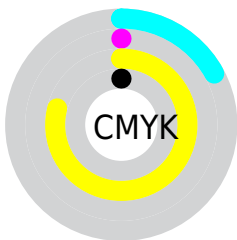
# Distribution



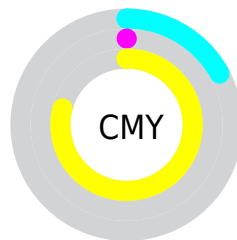
- Red (83%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (38%)



- Cyan (17%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2666, 85.6259, 16.5611 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 63.2666, 85.6259, 16.5611 by changing the saturation by 10% instead.




 63.2666, 85.6259,  
16.5611


 63.2666, 85.6259,  
16.5611


426.1807,  
513.6969, 244.5880


 46.3164, 64.3587,  
9.7634


 108.6337,  
141.2473, 38.3499


 32.7012, 46.9412,  
5.1388


 137.7813,  
176.3703, 54.1780


 22.0558, 32.9892,  
2.2688


 171.7254,  
216.8807, 73.8534

 14.0147, 22.1182,  
0.7137

 210.8313,  
263.1628, 97.7946

 8.2127, 13.9438,  
0.0000

 255.4644,  
315.6011, 126.4201

 4.2843, 8.0816,  
0.0000

305.9902,

 1.8642, 4.1472,

374.5799, 160.1485

0.0000

362.7738,  
440.4837, 199.3983

■ 0.5559, 1.7562,  
0.0000

■ 0.0000, 0.4597,  
0.0000

■ 63.2666, 85.6259,  
16.5611

■ 63.2666, 85.6259,  
16.5611

■ 61.2635, 84.6440,  
14.1771

■ 65.6365, 86.7609,  
20.5910

■ 59.5611, 83.7886,  
13.0913

■ 68.4168, 88.0665,  
26.4918

■ 59.4334, 83.7241,  
13.0279

■ 71.6448, 89.5576,  
34.4572

■ 75.3529, 91.2473,  
44.6555

■ 79.5704, 93.1474,  
57.2381

■ 84.3240, 95.2686,  
72.3429

■ 89.6383, 97.6207,  
90.0974

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



85.8195, 85.6259, 13.1207



63.2666, 85.6259, 16.5611



48.7033, 85.6259, 35.0086

# Triad

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



63.2666, 85.6259, 16.5611



57.0992, 85.6259, 252.1498



137.8180, 85.6259, 106.2734

# Complementary

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



63.2666, 85.6259, 16.5611



24.2544, 12.3090, 95.7053

# 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.



126.1492, 85.6259, 194.8604



63.2666, 85.6259, 16.5611



77.1057, 85.6259, 302.1457

# Square

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



63.2666, 85.6259, 16.5611



45.6747, 85.6259, 161.6262



102.6688, 85.6259, 277.1525



132.0744, 85.6259, 47.5038



# Rectangle

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



63.2666, 85.6259, 16.5611



43.9073, 85.6259, 61.9767



102.6688, 85.6259, 277.1525



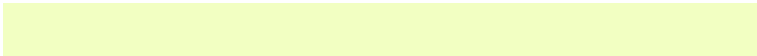
135.7422, 85.6259, 133.5460

# Sweetspot

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



63.2667, 85.6259, 16.5623



81.9794, 94.2247, 64.7877



46.1367, 30.0248, 6.7330



17.1911, 20.0089, 12.7465



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.



63.2667, 85.6259, 16.5623



60.2503, 84.1370, 13.4369



42.8632, 75.1076, 15.6074



19.1513, 20.8794, 19.1651



31.1876, 43.8159, 6.8136



3.1280, 4.3133, 0.6677



# Inverse Universe

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



24.2544, 12.3090, 95.7053



20.4053, 8.6432, 95.2006



42.5515, 21.7415, 96.5616



17.3729, 17.5684, 22.7253



10.3725, 4.2577, 49.7097

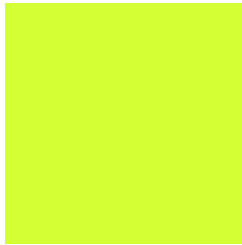


1.0977, 0.4598, 4.8442



# Previews

## White Background



This preview shows how the XYZ color 63.2666, 85.6259, 16.5611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

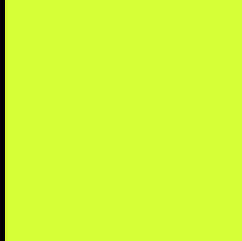
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2666, 85.6259, 16.5611 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 63.2666, 85.6259, 16.5611

## Background



This preview shows how black text looks on a background with the XYZ color 63.2666, 85.6259, 16.5611.



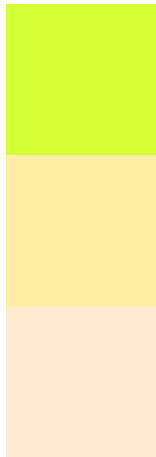
This preview shows how white text looks on a background with the XYZ color 63.2666, 85.6259,



# 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

63.2666, 85.6259, 16.5611

### Protanopia

78.5154, 85.0894, 47.4077

### Deuteranopia

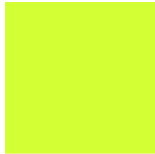
82.1714, 84.7091, 72.3412



## Tritanopia

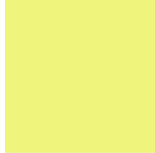
81.9032, 85.5249, 106.7989

# Trichromacy



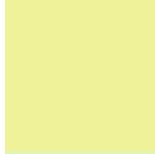
## Original Color

63.2666, 85.6259, 16.5611



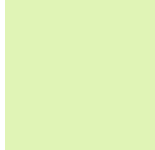
## Protanomaly

71.5854, 84.5073, 31.6074



## Deuteranomaly

73.0162, 84.1220, 42.0946



## Tritanomaly

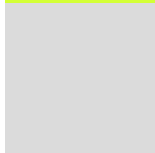
71.5347, 83.9261, 56.6850

# Monochromacy



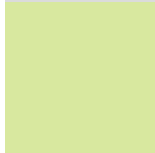
## Original Color

63.2666, 85.6259, 16.5611



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

63.4335, 74.8154, 43.8984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2666, 85.6259, 16.5611 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(211, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 53)  
}
```

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(211, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 53) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2666, 85.6259, 16.5611 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(211, 255, 53) }
```



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

```
.border{ border-color:rgb(211, 255, 53) }
```

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

Here you see how a box with a 4 pixel rgb(211, 255, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
53) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2666, 85.6259, 16.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 53) }
```

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

```
.background{ background-color: rgb(211,  
255, 53) }
```

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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