

# Converting Colors

XYZ(63.1315, 79.1593, 35.6188)

Have a look what the booklet for  
XYZ(63.1315, 79.1593, 35.6188)  
contains.

<b>XYZ(63.1315, 79.1593, 35.6188)</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(63.1315, 79.1593,  
35.6188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F289
RGB	211, 242, 137
RGB Percent	83%, 95%, 54%
CMY	0.1725, 0.0510, 0.4627
CMYK	0.13, 0.00, 0.43, 0.05
HSL	78°, 80%, 74%
HSV	78°, 43%, 95%
XYZ	63.1315, 79.1593, 35.6188
YIQ	220.7610, 15.2290, -39.2270

# Conversions

## Conversions Part 2

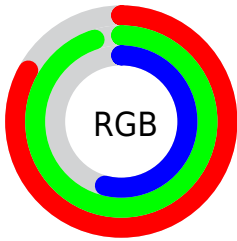
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 242, 168</a>
Decimal	<a href="#">13890185</a>
CIELab	<a href="#">91.31, -26.27, 47.20</a>
CIELCh	<a href="#">91, 54.024, 119.100</a>
Yxy	<a href="#">79.1593, 0.3549, 0.4449</a>
Android (android.graphics.Color)	<a href="#">4292080265 (0xFFD3F289)</a>
YUV	<a href="#">220.7610, -41.2942, -8.5604</a>
Hunter-Lab	<a href="#">88.9715, -29.0419, 38.5439</a>

# Details

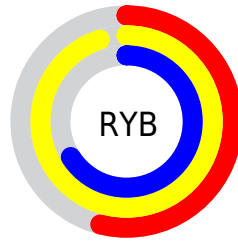
The XYZ color **63.1315, 79.1593, 35.6188** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.1242, 32.6291, 88.1395**, and the grayscale version is **68.8344, 72.4191, 78.8644**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **32.7162, 42.7423, 15.1201** is the 20% darker color. If you saturate the color by 10%, you get **59.5853, 77.5123, 27.3854**, and if you desaturate by 10%, it is **67.1620, 81.0161, 45.9102**.

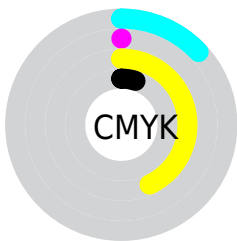
# Distribution



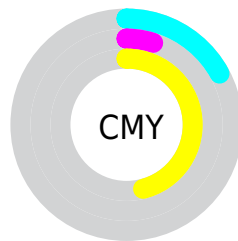
- Red (83%)
- Green (95%)
- Blue (54%)



- Red (54%)
- Yellow (95%)
- Blue (66%)



- Cyan (13%)
- Magenta (0%)
- Yellow (43%)
- Black (5%)




- Cyan (17%)
- Magenta (5%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1315, 79.1593, 35.6188 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 63.1315, 79.1593, 35.6188 by changing the saturation by 10% instead.




 63.1315, 79.1593,  
35.6188

 63.1315, 79.1593,  
35.6188


425.6987,  
492.0951, 342.2782


 46.2066, 59.0268,  
23.8526


 108.4399,  
132.1831, 69.6057

 32.6142, 42.6347,  
15.0131


 137.5543,  
165.8432, 92.6634

 21.9889, 29.5986,  
8.6819


 171.4624,  
204.7812, 120.3221

 13.9653, 19.5341,  
4.4403

210.5298,  
249.3817, 153.0002

 8.1781, 12.0568,  
1.8699

255.1218,  
300.0289, 191.1164

 4.2619, 6.7824,  
0.4735

305.6037,

 1.8513, 3.3264,

357.1073, 235.0890

0.0000

362.3408,  
421.0012, 285.3368

0.5483, 1.3044,  
0.0000

0.0000, 0.1446,  
0.0000

63.1315, 79.1593,  
35.6188

63.1315, 79.1593,  
35.6188

59.5853, 77.5123,  
27.3854

67.1620, 81.0161,  
45.9102

56.4900, 76.0532,  
21.0662


71.6961, 83.0821,  
58.3806


53.8167, 74.7733,  
16.5068


76.7587, 85.3704,  
73.1474


51.5301, 73.6581,  
13.5269

82.3713, 87.8896,  
90.3182

 49.5873, 72.6903,  
11.9073

 88.0666, 90.4528,  
107.4253

 48.4496, 72.1147,  
11.3660

 90.6316, 91.7752,  
107.5453

 91.0438, 91.9877,  
107.5646

# Harmonies

## Analogous

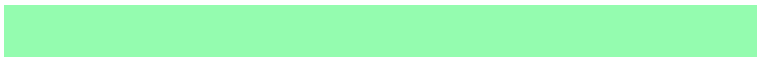
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6535, 79.1593, 30.5931



63.1315, 79.1593, 35.6188



54.8082, 79.1593, 52.9403

# Triad

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



63.1315, 79.1593, 35.6188



62.4954, 79.1593, 168.5667



104.7975, 79.1593, 87.3827

# Complementary

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



63.1315, 79.1593, 35.6188



41.1242, 32.6291, 88.1395

# 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.



100.2033, 79.1593, 131.0707



63.1315, 79.1593, 35.6188



74.8251, 79.1593, 185.8726

# Square

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



63.1315, 79.1593, 35.6188



54.4736, 79.1593, 128.3725



88.8022, 79.1593, 170.4286



100.7055, 79.1593, 54.4388



# Rectangle

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



63.1315, 79.1593, 35.6188



52.2061, 79.1593, 72.6872



88.8022, 79.1593, 170.4286



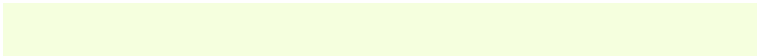
104.2094, 79.1593, 101.2716

# Sweetspot

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



63.1334, 79.1628, 35.6205



86.6547, 96.2364, 83.0102



54.9091, 48.2318, 30.0837



18.2653, 20.4713, 16.9262



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

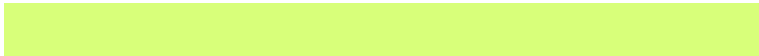


# Same Dimension

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



63.1334, 79.1628, 35.6205



67.5710, 87.5105, 31.8724



50.7174, 72.7621, 35.0394



16.6419, 18.2111, 16.7877



26.1695, 38.8124, 6.1123



2.2761, 3.2799, 0.5131



# Inverse Universe

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



41.1242, 32.6291, 88.1395



39.8687, 28.8723, 98.0793



54.2642, 39.4030, 88.7544



15.3359, 15.4549, 19.8964



10.1427, 4.2341, 45.4106

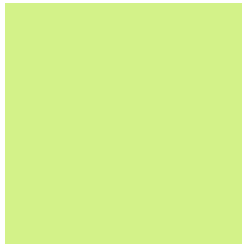


0.9397, 0.4017, 3.7822



# Previews

## White Background



This preview shows how the XYZ color 63.1315, 79.1593, 35.6188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

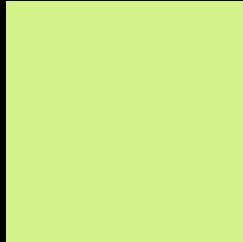
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1315, 79.1593, 35.6188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

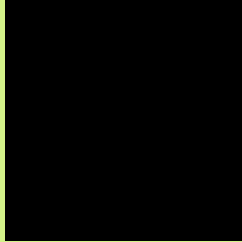
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.1315, 79.1593, 35.6188

## Background



This preview shows how black text looks on a background with the XYZ color 63.1315, 79.1593, 35.6188.



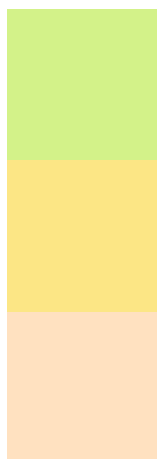
This preview shows how white text looks on a background with the XYZ color 63.1315, 79.1593,

35.6188.

# 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

63.1315, 79.1593, 35.6188

### Protanopia

72.6753, 78.9825, 33.6051

### Deuteranopia

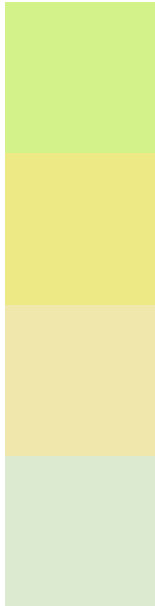
77.6796, 78.9162, 61.0074



## Tritanopia

75.8591, 78.7616, 99.2000

# Trichromacy



## Original Color

63.1315, 79.1593, 35.6188

## Protanomaly

68.6509, 78.5714, 34.1018

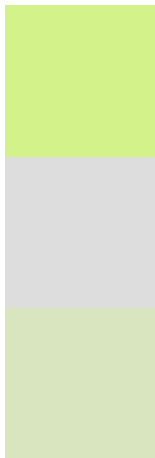
## Deuteranomaly

71.6189, 78.4811, 50.4034

## Tritanomaly

70.2005, 78.5663, 70.4963

# Monochromacy



## Original Color

63.1315, 79.1593, 35.6188

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

65.9288, 74.5080, 59.6219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1315, 79.1593, 35.6188 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, 242, 137)` looks like.

```
.text, #text, p{  
    color:rgb(211, 242, 137)  
}
```

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, 242, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 242, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1315, 79.1593, 35.6188 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, 242, 137) }
```



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

```
.border{ border-color:rgb(211, 242, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 242, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 242, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 242, 137);  
box-shadow:4px 4px 4px 4px rgb(211, 242,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1315, 79.1593, 35.6188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 242, 137) }
```

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

```
.background{ background-color: rgb(211,  
242, 137) }
```

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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