

# Converting Colors

XYZ(50.2468, 65.7260, 35.0837)

Have a look what the booklet for  
XYZ(50.2468, 65.7260, 35.0837)  
contains.

<b>XYZ(50.3642, 65.7808, 35.2418)</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(50.3642, 65.7808,  
35.2418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E28D
RGB	178, 226, 141
RGB Percent	70%, 89%, 55%
CMY	0.3020, 0.1137, 0.4470
CMYK	0.21, 0.00, 0.38, 0.11
HSL	94°, 59%, 72%
HSV	94°, 38%, 89%
XYZ	50.3642, 65.7808, 35.2418
YIQ	201.9580, -1.3230, -36.6110

# Conversions

## Conversions Part 2

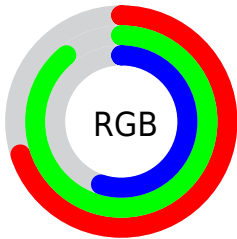
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">141, 226, 189</a>
Decimal	<a href="#">11723405</a>
CIELab	<a href="#">84.88, -30.24, 36.62</a>
CIELCh	<a href="#">85, 47.493, 129.551</a>
Yxy	<a href="#">65.7808, 0.3327, 0.4345</a>
Android (android.graphics.Color)	<a href="#">4289913485 (0xFFB2E28D)</a>
YUV	<a href="#">201.9580, -30.0523, -21.0112</a>
Hunter-Lab	<a href="#">81.1054, -31.0908, 31.0111</a>

# Details

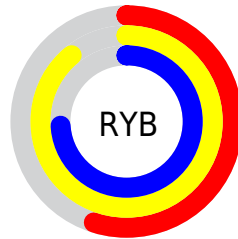
The XYZ color **50.3642, 65.7808, 35.2418** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.2414, 35.3615, 76.4488**, and the grayscale version is **56.2965, 59.2283, 64.4996**.

A 20% lighter version of the original color is **79.8713, 93.1223, 65.3945**, and **24.4901, 33.7558, 14.6760** is the 20% darker color. If you saturate the color by 10%, you get **46.0581, 63.7378, 27.1402**, and if you desaturate by 10%, it is **55.2893, 68.1073, 45.1662**.

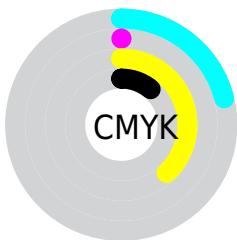
# Distribution



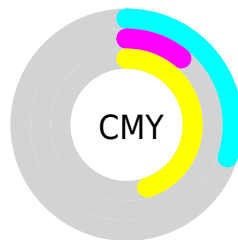
- Red (70%)
- Green (89%)
- Blue (55%)



- Red (55%)
- Yellow (89%)
- Blue (74%)



- Cyan (21%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)




- Cyan (30%)
- Magenta (11%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3642, 65.7808, 35.2418 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 50.3642, 65.7808, 35.2418 by changing the saturation by 10% instead.





 50.3642, 65.7808,  
35.2418

 50.3642, 65.7808,  
35.2418


378.5170,  
445.5925, 340.5710

 35.9218, 48.0945,  
23.5642


 89.9029, 113.1717,  
69.0160

 24.5437, 33.9017,  
14.8014


 115.7299,  
143.6450, 91.9496

 15.8643, 22.8181,  
8.5351

146.0825,  
179.1495, 119.4723

 9.5184, 14.4593,  
4.3465

181.3260,  
220.0695, 152.0027

 5.1407, 8.4408,  
1.8173

221.8259,  
266.7894, 189.9592

 2.3656, 4.3783,  
0.4393

267.9475,

 0.8279, 1.8873,

319.6936, 233.7603

0.0000

320.0560,  
379.1665, 283.8248

0.0000, 0.5407,  
0.0000

0.0000, 0.0000,  
0.0000

50.3642, 65.7808,  
35.2418

50.3642, 65.7808,  
35.2418

46.0581, 63.7378,  
27.1402

55.2893, 68.1073,  
45.1662

42.3376, 61.9575,  
20.7460

60.8548, 70.7200,  
57.0108

39.1734, 60.4295,  
15.9377

67.0870, 73.6325,  
70.8711

36.5310, 59.1389,  
12.5756

74.0092, 76.8548,  
86.8350

■ 34.3706, 58.0690,  
10.4955

■ 81.6434, 80.3966,  
104.9852

■ 32.6413, 57.1983,  
9.4751

■ 86.3338, 82.7961,  
106.0387

■ 32.2748, 57.0128,  
9.3035

■ 86.4877, 82.8755,  
106.0459

# Harmonies

## Analogous

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



59.1848, 65.7808, 27.9477



50.3642, 65.7808, 35.2418



45.2251, 65.7808, 53.0194

# Triad

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



50.3642, 65.7808, 35.2418



55.6350, 65.7808, 141.8605



84.9786, 65.7808, 62.3238

# Complementary

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



50.3642, 65.7808, 35.2418



44.2414, 35.3615, 76.4488

# Split Complementary

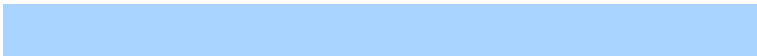
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7489, 65.7808, 94.1396



50.3642, 65.7808, 35.2418



65.9837, 65.7808, 146.4578

# Square

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



50.3642, 65.7808, 35.2418



48.0197, 65.7808, 115.8549



76.4956, 65.7808, 127.0548



79.6861, 65.7808, 40.3842



# Rectangle

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



50.3642, 65.7808, 35.2418



44.1933, 65.7808, 71.1652



76.4956, 65.7808, 127.0548



85.3267, 65.7808, 72.0850

# Sweetspot

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



50.3659, 65.7837, 35.2432



85.2685, 95.4417, 86.5648



54.1042, 53.9541, 32.7629



18.0094, 20.3156, 17.9894



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

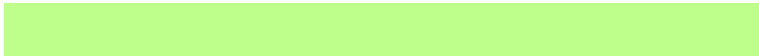


# Same Dimension

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



50.3659, 65.7837, 35.2432



61.7962, 84.3932, 37.9402



43.3130, 62.1105, 36.5960



14.0919, 15.6275, 14.5805



18.5426, 32.5916, 5.3135



1.3866, 2.3113, 0.3730



# Inverse Universe

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



44.2414, 35.3615, 76.4488



52.6564, 39.0361, 99.3672



54.0428, 40.4808, 73.9004



13.6890, 13.6232, 17.2957



13.0172, 5.8059, 41.4829

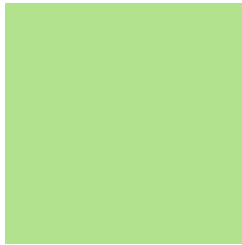


1.0045, 0.4551, 2.8801



# Previews

## White Background



This preview shows how the XYZ color 50.3642, 65.7808, 35.2418 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 50.3642, 65.7808, 35.2418 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 50.3642, 65.7808, 35.2418**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3642, 65.7808, 35.2418.



This preview shows how white text looks on a background with the XYZ color 50.3642, 65.7808,

35.2418.

# 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

50.3642, 65.7808, 35.2418

### Protanopia

60.3006, 65.1608, 32.3208

### Deuteranopia

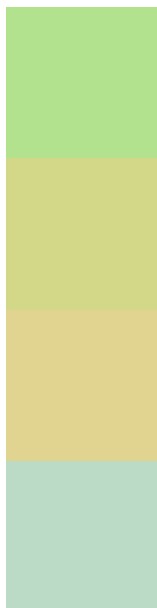
66.4537, 65.0118, 36.2402



## **Tritanopia**

60.6042, 65.6335, 85.8183

# Trichromacy



## Original Color

50.3642, 65.7808, 35.2418

## Protanomaly

55.9352, 64.7668, 33.2200

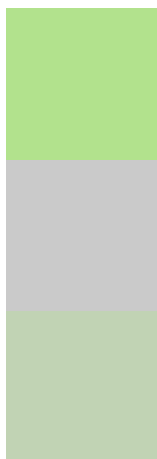
## Deuteranomaly

59.3796, 64.6097, 35.7268

## Tritanomaly

56.1338, 65.3514, 63.6883

# Monochromacy



## Original Color

50.3642, 65.7808, 35.2418

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

53.5248, 61.2213, 52.1758

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3642, 65.7808, 35.2418 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(178, 226, 141)` looks like.

```
.text, #text, p{  
    color:rgb(178, 226, 141)  
}
```

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(178, 226, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 226, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3642, 65.7808, 35.2418 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(178, 226, 141) }
```



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

```
.border{ border-color:rgb(178, 226, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 226, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 226, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 226, 141);  
box-shadow:4px 4px 4px 4px rgb(178, 226,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3642, 65.7808, 35.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 226, 141) }
```

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

```
.background{ background-color: rgb(178,  
226, 141) }
```

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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