

# Converting Colors

XYZ(65.5873, 73.4374, 31.2249)

Have a look what the booklet for  
XYZ(65.5873, 73.4374, 31.2249)  
contains.

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# Color

**XYZ(65.4136, 73.2418,  
31.1115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE180
RGB	236, 225, 128
RGB Percent	93%, 88%, 50%
CMY	0.0745, 0.1176, 0.4980
CMYK	0.00, 0.05, 0.46, 0.07
HSL	54°, 74%, 71%
HSV	54°, 46%, 93%
XYZ	65.4136, 73.2418, 31.1115
YIQ	217.2310, 37.6930, -27.8350

# Conversions

## Conversions Part 2

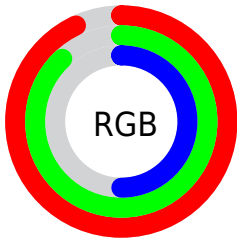
Format	Color
<a href="#">RYB</a>	<a href="#">140, 236, 128</a>
Decimal	<a href="#">15524224</a>
<a href="#">CIELab</a>	<a href="#">88.56, -9.25, 48.55</a>
<a href="#">CIELCh</a>	<a href="#">89, 49.425, 100.791</a>
<a href="#">Yxy</a>	<a href="#">73.2418, 0.3853, 0.4314</a>
Android (android.graphics.Color)	<a href="#">4293714304</a> (0xFFECE180)
<a href="#">YUV</a>	<a href="#">217.2310, -43.9909, 16.4604</a>
<a href="#">Hunter-Lab</a>	<a href="#">85.5814, -13.3322, 38.3532</a>

# Details

The XYZ color **65.4136, 73.2418, 31.1115** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.2749, 29.1098, 83.2218**, and the grayscale version is **66.3877, 69.8450, 76.0612**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **34.0393, 38.7362, 12.5203** is the 20% darker color. If you saturate the color by 10%, you get **63.3932, 71.4044, 23.6455**, and if you desaturate by 10%, it is **67.8080, 75.2488, 40.4861**.

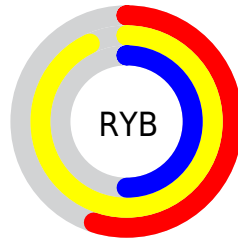
# Distribution



Red (93%)

Green (88%)

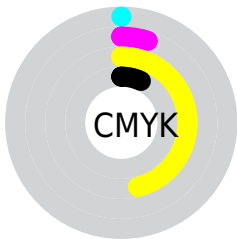
Blue (50%)



Red (55%)

Yellow (93%)

Blue (50%)

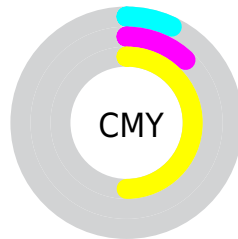


Cyan (0%)

Magenta (5%)

Yellow (46%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4136, 73.2418, 31.1115 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 65.4136, 73.2418, 31.1115 by changing the saturation by 10% instead.



65.4136, 73.2418,  
31.1115

65.4136, 73.2418,  
31.1115

433.7985,  
471.8524, 321.4188

48.0625, 54.1737,  
20.4246

111.7067,  
123.8204, 62.4972

34.0878, 38.7406,  
12.5169

141.3793,  
156.0997, 84.0331

23.1243, 26.5580,  
6.9700

175.8899,  
193.5516, 110.0224

14.8065, 17.2415,  
3.3652

215.6037,  
236.5603, 140.8836

8.7691, 10.4068,  
1.2840

260.8861,  
285.5104, 177.0353

4.6468, 5.6695,  
0.0486

312.1025,

2.0742, 2.6452,

340.7862, 218.8960

0.0000

369.6182,  
402.7720, 266.8844

■ 0.6751, 0.9494,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.4136, 73.2418,  
31.1115

■ 65.4136, 73.2418,  
31.1115

■ 63.3932, 71.4044,  
23.6455

■ 67.8080, 75.2488,  
40.4861

■ 61.7159, 69.7161,  
17.9496


■ 70.5941, 77.4244,  
51.8856

■ 60.3549, 68.1689,  
13.8743


■ 73.7947, 79.7806,  
65.4226


■ 59.2766, 66.7491,  
11.2432

■ 77.4293, 82.3253,  
81.2000


 58.4396, 65.4403,  
9.8384


 81.5165, 85.0657,  
99.3139

 58.1295, 64.9077,  
9.4647

 83.6318, 87.0324,  
106.9988

 84.3415, 88.4518,  
107.2354

 85.0606, 89.8899,  
107.4751

 85.7891, 91.3469,  
107.7179

# Harmonies

## Analogous

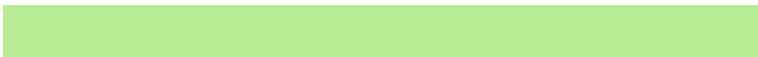
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4244, 73.2418, 32.4610



65.4136, 73.2418, 31.1115



55.6984, 73.2418, 39.6838

# Triad

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



65.4136, 73.2418, 31.1115



53.6747, 73.2418, 130.7313



93.5583, 73.2418, 103.3330

# Complementary

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



65.4136, 73.2418, 31.1115



33.2749, 29.1098, 83.2218

# 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.



85.6738, 73.2418, 140.4263



65.4136, 73.2418, 31.1115



62.3476, 73.2418, 159.1057

# Square

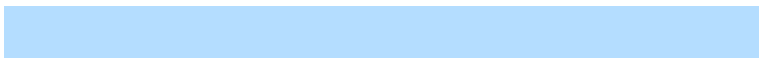
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.4136, 73.2418, 31.1115



49.4534, 73.2418, 92.6694



73.9907, 73.2418, 163.0876



94.6219, 73.2418, 68.0870



# Rectangle

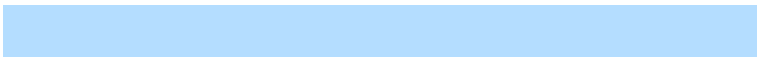
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.4136, 73.2418, 31.1115



51.4764, 73.2418, 51.8314



73.9907, 73.2418, 163.0876



91.5787, 73.2418, 116.2287

# Sweetspot

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



65.4154, 73.2452, 31.1130



88.6773, 95.6135, 81.0065



47.0898, 35.1832, 29.3536



18.7903, 20.3292, 16.5216



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.



65.4154, 73.2452, 31.1130



75.6935, 85.2388, 28.6076



56.2946, 73.0985, 31.5654



16.2133, 17.3496, 16.0130



32.0975, 35.8893, 5.2356



2.5583, 2.8939, 0.4237



# Inverse Universe

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



33.2749, 29.1098, 83.2218



32.9412, 26.5555, 97.9973



39.3083, 29.9747, 83.0707



14.3546, 14.7956, 19.0215



8.5690, 3.7849, 44.0219

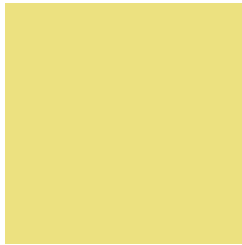


0.7145, 0.3805, 3.4707



# Previews

## White Background



This preview shows how the XYZ color 65.4136, 73.2418, 31.1115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

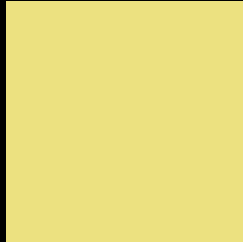
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4136, 73.2418, 31.1115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

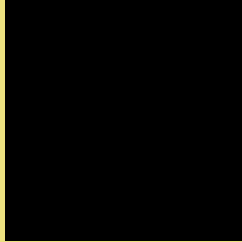
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.4136, 73.2418, 31.1115

## Background



This preview shows how black text looks on a background with the XYZ color 65.4136, 73.2418, 31.1115.



This preview shows how white text looks on a background with the XYZ color 65.4136, 73.2418,



# 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

65.4136, 73.2418, 31.1115

### Protanopia

67.2603, 73.0080, 30.6256

### Deuteranopia

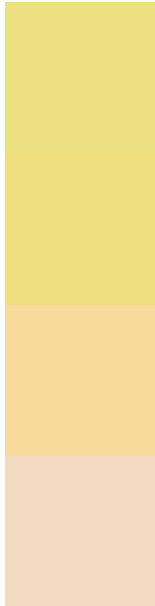
72.9573, 73.2363, 47.8269



## Tritanopia

76.4349, 73.0758, 84.9394

# Trichromacy



## Original Color

65.4136, 73.2418, 31.1115

## Protanomaly

66.4941, 73.0084, 30.6661

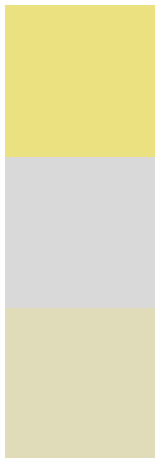
## Deuteranomaly

69.8757, 72.9526, 40.9703

## Tritanomaly

71.4006, 72.5307, 60.6887

# Monochromacy



## Original Color

65.4136, 73.2418, 31.1115

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

65.0906, 70.5365, 56.0832

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4136, 73.2418, 31.1115 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(236, 225, 128)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 128)  
}
```

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(236, 225, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4136, 73.2418, 31.1115 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(236, 225, 128) }
```



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

```
.border{ border-color:rgb(236, 225, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 225, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 128);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4136, 73.2418, 31.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 128) }
```

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

```
.background{ background-color: rgb(236,  
225, 128) }
```

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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