

# Converting Colors

XYZ(65.0029, 73.1595, 30.9454)

Have a look what the booklet for  
XYZ(65.0029, 73.1595, 30.9454)  
contains.

<b>XYZ(65.0824, 73.0711, 31.0960)</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(65.0824, 73.0711,  
31.0960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">EBE180</a>
RGB	<a href="#">235, 225, 128</a>
RGB Percent	<a href="#">92%, 88%, 50%</a>
CMY	<a href="#">0.0784, 0.1176, 0.4980</a>
CMYK	<a href="#">0.00, 0.04, 0.46, 0.08</a>
HSL	<a href="#">54°, 73%, 71%</a>
HSV	<a href="#">54°, 46%, 92%</a>
XYZ	<a href="#">65.0824, 73.0711, 31.0960</a>
YIQ	<a href="#">216.9320, 37.0970, -28.0470</a>

# Conversions

## Conversions Part 2

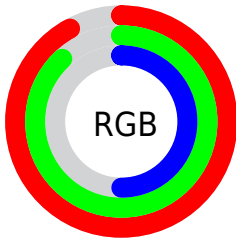
Format	Color
<b>RYB</b>	139, 235, 128
Decimal	15458688
CIELab	88.48, -9.65, 48.43
CIELCh	88, 49.385, 101.268
Yxy	73.0711, 0.3845, 0.4317
Android (android.graphics.Color)	4293648768 (0xFFEBE180)
YUV	216.9320, -43.8435, 15.8456
Hunter-Lab	85.4816, -13.6899, 38.2690

# Details

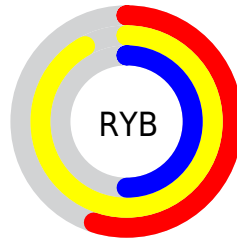
The XYZ color **65.0824, 73.0711, 31.0960** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.9858, 28.7634, 82.4103**, and the grayscale version is **66.1815, 69.6281, 75.8250**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **33.8107, 38.6184, 12.5096** is the 20% darker color. If you saturate the color by 10%, you get **63.1224, 71.3464, 23.6753**, and if you desaturate by 10%, it is **67.4118, 74.9611, 40.4086**.

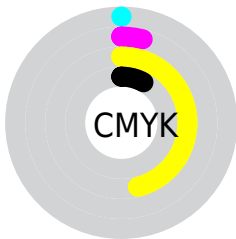
# Distribution



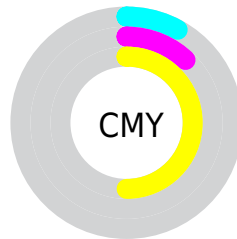
- Red (92%)
- Green (88%)
- Blue (50%)



- Red (55%)
- Yellow (92%)
- Blue (50%)



- Cyan (0%)
- Magenta (4%)
- Yellow (46%)
- Black (8%)




- Cyan (8%)
- Magenta (12%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0824, 73.0711, 31.0960 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 65.0824, 73.0711, 31.0960 by changing the saturation by 10% instead.





 65.0824, 73.0711,  
31.0960

 65.0824, 73.0711,  
31.0960


432.6286,  
471.2612, 321.3452


 47.7928, 54.0341,  
20.4129


 111.2334,  
123.5781, 62.4725

 33.8734, 38.6289,  
12.5085


 140.8255,  
155.8170, 84.0030

 22.9588, 26.4712,  
6.9642


 175.2492,  
193.2252, 109.9864

 14.6836, 17.1765,  
3.3616


214.8698,  
236.1872, 140.8412

 8.6825, 10.3604,  
1.2821

260.0527,  
285.0875, 176.9859

 4.5901, 5.6386,  
0.0471

311.1632,

 2.0411, 2.6266,

340.3103, 218.8391

0.0000

368.5667,  
402.2400, 266.8194

■ 0.6569, 0.9400,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.0824, 73.0711,  
31.0960

■ 65.0824, 73.0711,  
31.0960

■ 63.1224, 71.3464,  
23.6753

■ 67.4118, 74.9611,  
40.4086

■ 61.5014, 69.7668,  
18.0100


■ 70.1279, 77.0153,  
51.7281


■ 60.1928, 68.3243,  
13.9524


■ 73.2535, 79.2457,  
65.1656

■ 59.1636, 67.0056,  
11.3287


■ 76.8078, 81.6598,  
80.8228


 58.3730, 65.7944,  
9.9247


 80.8090, 84.2651,  
98.7947

 58.0679, 65.2762,  
9.5391

 82.9365, 86.1334,  
106.8619

 83.5800, 87.4205,  
107.0765

 84.2314, 88.7233,  
107.2936

 84.8907, 90.0418,  
107.5133

# Harmonies

## Analogous

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



77.0507, 73.0711, 32.2895



65.0824, 73.0711, 31.0960



55.4455, 73.0711, 39.8175

# Triad

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



65.0824, 73.0711, 31.0960



53.6552, 73.0711, 130.9963



93.4145, 73.0711, 102.4802

# Complementary

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



65.0824, 73.0711, 31.0960



32.9858, 28.7634, 82.4103

# 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.



85.6383, 73.0711, 139.5755



65.0824, 73.0711, 31.0960



62.3698, 73.0711, 159.0118

# Square

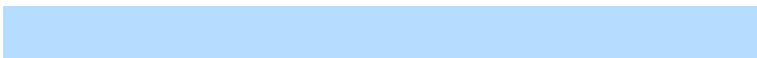
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.0824, 73.0711, 31.0960



49.3678, 73.0711, 93.0450



74.0127, 73.0711, 162.5356



94.3556, 73.0711, 67.4488



# Rectangle

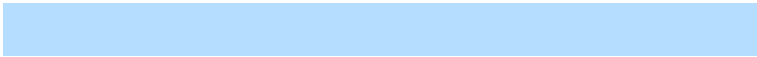
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.0824, 73.0711, 31.0960



51.2818, 73.0711, 52.0699



74.0127, 73.0711, 162.5356



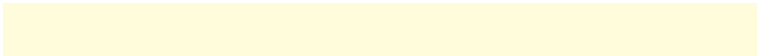
91.4750, 73.0711, 115.3448

# Sweetspot

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



65.0842, 73.0745, 31.0975



88.7712, 95.8013, 81.0378



46.6188, 34.9566, 28.6025



18.8134, 20.3754, 16.5293



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.



65.0842, 73.0745, 31.0975



76.0428, 85.9373, 28.7240



55.3938, 72.2077, 31.4410



16.2247, 17.3724, 16.0168



32.3683, 36.4309, 5.3259



2.5768, 2.9309, 0.4299



# Inverse Universe

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



32.9858, 28.7634, 82.4103



32.7869, 26.2469, 97.9458



39.4662, 30.0728, 82.3215



14.3443, 14.7751, 19.0181



8.5447, 3.7364, 44.0138

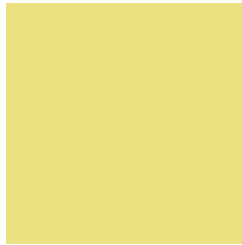


0.7096, 0.3707, 3.4690



# Previews

## White Background



This preview shows how the XYZ color 65.0824, 73.0711, 31.0960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

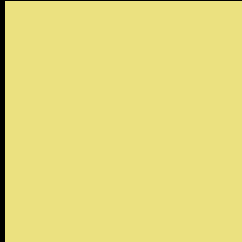
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0824, 73.0711, 31.0960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

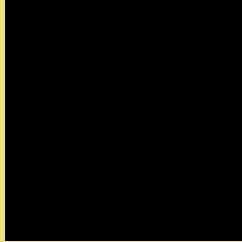
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.0824, 73.0711, 31.0960**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.0824, 73.0711, 31.0960.



This preview shows how white text looks on a background with the XYZ color 65.0824, 73.0711,



# 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

65.0824, 73.0711, 31.0960

### Protanopia

67.2603, 73.0080, 30.6256

### Deuteranopia

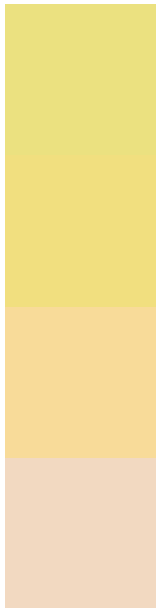
72.6083, 72.6880, 47.2491



## Tritanopia

76.0832, 72.8945, 84.9229

# Trichromacy



## Original Color

65.0824, 73.0711, 31.0960

## Protanomaly

66.4941, 73.0084, 30.6661

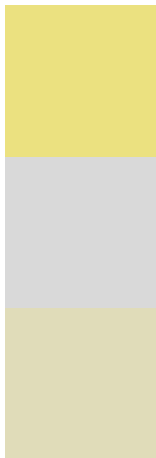
## Deuteranomaly

69.7927, 72.9194, 40.5334

## Tritanomaly

71.0564, 72.3532, 60.6726

# Monochromacy



## Original Color

65.0824, 73.0711, 31.0960

## 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 65.0824, 73.0711, 31.0960 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(235, 225, 128)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 225, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 225, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0824, 73.0711, 31.0960 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(235, 225, 128) }
```



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

```
.border{ border-color:rgb(235, 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(235, 225, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 225, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 225, 128);  
box-shadow:4px 4px 4px 4px rgb(235, 225,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0824, 73.0711, 31.0960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 225, 128) }
```

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

```
.background{ background-color: rgb(235,  
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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