

# Converting Colors

XYZ(63.2677, 71.4915, 30.1160)

Have a look what the booklet for  
XYZ(63.2677, 71.4915, 30.1160)  
contains.

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# **Color**

**XYZ(63.1086, 71.2706,  
30.1691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7DF7E
RGB	231, 223, 126
RGB Percent	91%, 87%, 49%
CMY	0.0941, 0.1255, 0.5059
CMYK	0.00, 0.03, 0.45, 0.09
HSL	55°, 69%, 70%
HSV	55°, 45%, 91%
XYZ	63.1086, 71.2706, 30.1691
YIQ	214.3340, 35.9050, -28.4710

# Conversions

## Conversions Part 2

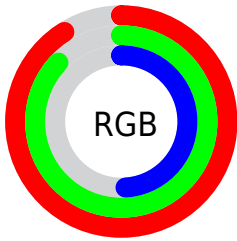
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 231, 126
Decimal	15196030
CIELab	87.62, -10.42, 48.26
CIELCh	88, 49.375, 102.184
Yxy	71.2706, 0.3835, 0.4331
Android (android.graphics.Color)	4293386110 (0xFFE7DF7E)
YUV	214.3340, -43.5487, 14.6161
Hunter-Lab	84.4219, -14.3028, 37.9074

# Details

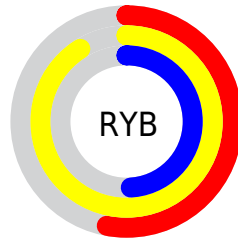
The XYZ color **63.1086, 71.2706, 30.1691** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.5531, 27.2547, 79.1989**, and the grayscale version is **64.4105, 67.7648, 73.7959**.

A 20% lighter version of the original color is **85.2382, 96.0753, 57.2319**, and **32.6942, 37.4983, 11.9933** is the 20% darker color. If you saturate the color by 10%, you get **61.3201, 69.8098, 23.0491**, and if you desaturate by 10%, it is **65.2497, 72.8854, 39.1061**.

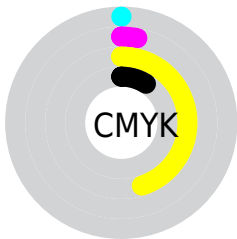
# Distribution



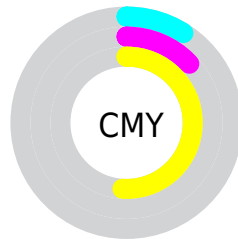
- Red (91%)
- Green (87%)
- Blue (49%)



- Red (53%)
- Yellow (91%)
- Blue (49%)



- Cyan (0%)
- Magenta (3%)
- Yellow (45%)
- Black (9%)



- Cyan (9%)
- Magenta (13%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1086, 71.2706, 30.1691 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 63.1086, 71.2706, 30.1691 by changing the saturation by 10% instead.



63.1086, 71.2706,  
30.1691

63.1086, 71.2706,  
30.1691

425.6169,  
464.9988, 316.9237

46.1880, 52.5631,  
19.7138

108.4071,  
121.0189, 60.9937

32.5995, 37.4541,  
12.0052

137.5158,  
152.8285, 82.2000

21.9776, 25.5593,  
6.6246

171.4178,  
189.7743, 107.8272

13.9569, 16.4942,  
3.1536

210.4787,  
232.2405, 138.2937

8.1722, 9.8745,  
1.1736

255.0637,  
280.6117, 174.0180

4.2581, 5.3159,  
0.0000

305.5381,

1.8491, 2.4338,

335.2722, 215.4188

0.0000

362.2674,  
396.6065, 262.9145

■ 0.5470, 0.8432,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.1086, 71.2706,  
30.1691

■ 63.1086, 71.2706,  
30.1691

■ 61.3201, 69.8098,  
23.0491

■ 65.2497, 72.8854,  
39.1061

■ 59.8548, 68.4835,  
17.6152


■ 67.7598, 74.6531,  
49.9701


■ 58.6875, 67.2841,  
13.7261


■ 70.6607, 76.5849,  
62.8676


■ 57.7865, 66.1990,  
11.2155

■ 73.9709, 78.6884,  
77.8960


 57.1129, 65.2126,  
9.8788


 77.7076, 80.9704,  
95.1466

 56.8532, 64.7853,  
9.5083

 80.3022, 82.8034,  
106.3580

 80.8042, 83.8073,  
106.5253

 81.3111, 84.8212,  
106.6943

 81.8231, 85.8451,  
106.8650

# Harmonies

## Analogous

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



74.8495, 71.2706, 31.0490



63.1086, 71.2706, 30.1691



53.7461, 71.2706, 39.0218

# Triad

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



63.1086, 71.2706, 30.1691



52.4195, 71.2706, 129.3240



91.4601, 71.2706, 98.9992

# Complementary

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



63.1086, 71.2706, 30.1691



31.5531, 27.2547, 79.1989

# 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.



83.9750, 71.2706, 135.7094



63.1086, 71.2706, 30.1691



61.0966, 71.2706, 156.3910

# Square

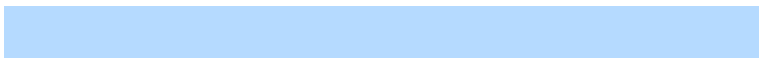
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1086, 71.2706, 30.1691



48.0676, 71.2706, 91.9891



72.5938, 71.2706, 159.0160



92.1597, 71.2706, 64.7983



# Rectangle

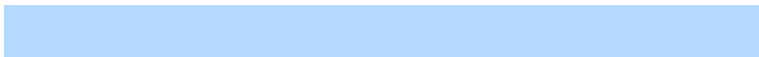
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1086, 71.2706, 30.1691



49.7495, 71.2706, 51.2831



72.5938, 71.2706, 159.0160



89.6175, 71.2706, 111.6644

# Sweetspot

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



63.1103, 71.2739, 30.1706



88.9647, 96.1883, 81.1024



44.7720, 33.6536, 26.9665



18.8611, 20.4708, 16.5452



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.



63.1103, 71.2739, 30.1706



76.7678, 87.3874, 28.9657



52.8970, 69.2547, 30.3191



15.5028, 16.6195, 15.2952



31.9139, 36.4020, 5.3442



2.3864, 2.7462, 0.4043



# Inverse Universe

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



31.5531, 27.2547, 79.1989



32.4753, 25.6237, 97.8420



38.4089, 29.2103, 79.2151



13.6705, 14.0625, 18.1381



8.2378, 3.5376, 42.6318

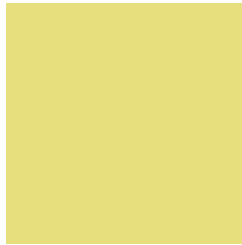


0.6397, 0.3233, 3.1607



# Previews

## White Background



This preview shows how the XYZ color 63.1086, 71.2706, 30.1691 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 63.1086, 71.2706, 30.1691 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 63.1086, 71.2706, 30.1691

## Background



This preview shows how black text looks on a background with the XYZ color 63.1086, 71.2706, 30.1691.



This preview shows how white text looks on a background with the XYZ color 63.1086, 71.2706,



# 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

63.1086, 71.2706, 30.1691

### Protanopia

65.5705, 71.3678, 29.7215

### Deuteranopia

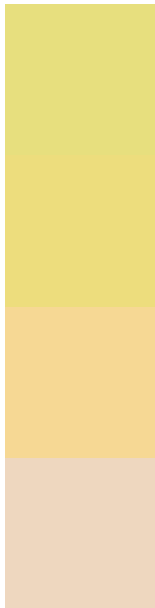
71.1286, 70.8850, 43.1910



## Tritanopia

73.9158, 71.0672, 83.2203

# Trichromacy



## Original Color

63.1086, 71.2706, 30.1691

## Protanomaly

64.4832, 71.1981, 29.7460

## Deuteranomaly

67.9072, 70.8427, 38.1119

## Tritanomaly

68.9643, 70.5396, 59.2709

# Monochromacy



## Original Color

63.1086, 71.2706, 30.1691

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

62.7716, 68.2188, 54.1151

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1086, 71.2706, 30.1691 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(231, 223, 126)` looks like.

```
.text, #text, p{  
    color:rgb(231, 223, 126)  
}
```

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(231, 223, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 223, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1086, 71.2706, 30.1691 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(231, 223, 126) }
```



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

```
.border{ border-color:rgb(231, 223, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 223, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 223, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 223, 126);  
box-shadow:4px 4px 4px 4px rgb(231, 223,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1086, 71.2706, 30.1691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 223, 126) }
```

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

```
.background{ background-color: rgb(231,  
223, 126) }
```

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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