

Converting Colors

XYZ(63.1572, 70.7281, 29.4957)

Have a look what the booklet for
XYZ(63.1572, 70.7281, 29.4957)
contains.

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Color

**XYZ(63.3636, 71.0214,
29.4377)**

Conversions

Conversions Part 1

Format	Color
Hex	E9DE7C
RGB	233, 222, 124
RGB Percent	91%, 87%, 49%
CMY	0.0863, 0.1294, 0.5137
CMYK	0.00, 0.05, 0.47, 0.09
HSL	54°, 71%, 70%
HSV	54°, 47%, 91%
XYZ	63.3636, 71.0214, 29.4377
YIQ	214.1170, 38.0140, -28.1460

Conversions

Conversions Part 2

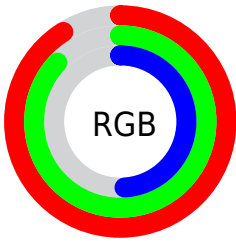
Format	Color
R_{YB}	136, 233, 124
Decimal	15326844
CIE Lab	87.50, -9.31, 49.12
CIE LCh	87, 49.992, 100.736
Yxy	71.0214, 0.3868, 0.4335
Android (android.graphics.Color)	4293516924 (0xFFE9DE7C)
YUV	214.1170, -44.4277, 16.5604
Hunter-Lab	84.2742, -13.2703, 38.2814

Details

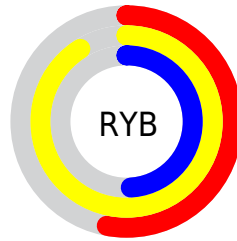
The XYZ color **63.3636, 71.0214, 29.4377** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.6840, 27.4954, 80.7277**, and the grayscale version is **64.2687, 67.6156, 73.6334**.

A 20% lighter version of the original color is **85.0359, 95.9944, 56.1664**, and **32.6676, 37.2193, 11.5932** is the 20% darker color. If you saturate the color by 10%, you get **61.4416, 69.2634, 22.3666**, and if you desaturate by 10%, it is **65.6459, 72.9426, 38.3480**.

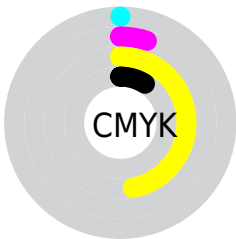
Distribution



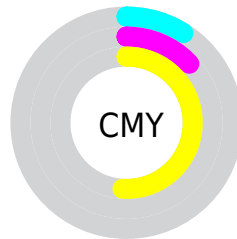
- Red (91%)
- Green (87%)
- Blue (49%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (47%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3636, 71.0214, 29.4377 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 63.3636, 71.0214, 29.4377 by changing the saturation by 10% instead.

63.3636, 71.0214,
29.4377

63.3636, 71.0214,
29.4377

426.5266,
464.1282, 313.3999

46.3952, 52.3597,
19.1638

108.7728,
120.6642, 59.8222

32.7637, 37.2918,
11.6107

137.9442,
152.4140, 80.7699

22.1039, 25.4335,
6.3599

171.9141,
189.2954, 106.1126

14.0503, 16.4003,
2.9928

211.0477,
231.6926, 136.2688

8.2376, 9.8079,
1.0910

255.7104,
279.9901, 171.6571

4.3004, 5.2718,
0.0000

306.2675,

1.8735, 2.4076,

334.5723, 212.6960

0.0000

363.0845,
395.8235, 259.8041

■ 0.5613, 0.8298,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3636, 71.0214,
29.4377

■ 63.3636, 71.0214,
29.4377

■ 61.4416, 69.2634,
22.3666

■ 65.6459, 72.9426,
38.3480

■ 59.8498, 67.6487,
16.9991


■ 68.3058, 75.0263,
49.2113


■ 58.5616, 66.1693,
13.1882


■ 71.3657, 77.2840,
62.1376

■ 57.5441, 64.8119,
10.7598

■ 74.8447, 79.7234,
77.2274


 56.7551, 63.5596,
9.4924


 78.7606, 82.3518,
94.5745

 56.5273, 63.1698,
9.2137

 81.6803, 84.5958,
106.6313

 82.3618, 85.9588,
106.8585

 83.0522, 87.3397,
107.0887

 83.7516, 88.7385,
107.3218

Harmonies

Analogous

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



75.2711, 71.0214, 30.7711



63.3636, 71.0214, 29.4377



53.7506, 71.0214, 37.7973

Triad

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



63.3636, 71.0214, 29.4377



51.7267, 71.0214, 127.9715



91.2736, 71.0214, 100.8157

Complementary

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



63.3636, 71.0214, 29.4377



31.6840, 27.4954, 80.7277

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.



83.4230, 71.0214, 137.7720



63.3636, 71.0214, 29.4377



60.2900, 71.0214, 156.3433

Square

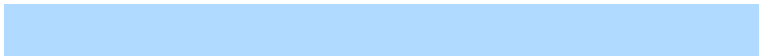
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.3636, 71.0214, 29.4377



47.5716, 71.0214, 90.0811



71.8203, 71.0214, 160.3766



92.3457, 71.0214, 65.8432

Rectangle

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



63.3636, 71.0214, 29.4377



49.5781, 71.0214, 49.7116



71.8203, 71.0214, 160.3766



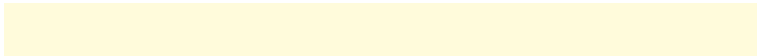
89.3003, 71.0214, 113.6510

Sweetspot

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



63.3653, 71.0247, 29.4392



88.6878, 95.6344, 81.0100



45.3074, 33.5377, 27.6469



18.7929, 20.3343, 16.5224



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.



63.3653, 71.0247, 29.4392



75.5119, 85.1066, 27.8350



54.3177, 70.8375, 29.8799



16.2146, 17.3522, 16.0134



32.1276, 35.9494, 5.2456



2.5603, 2.8980, 0.4244

Inverse Universe

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



31.6840, 27.4954, 80.7277



32.2958, 25.7543, 97.8766



37.5968, 28.3830, 80.5874



14.3534, 14.7933, 19.0211



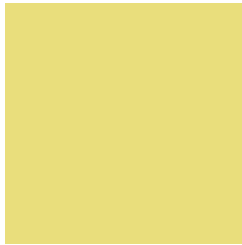
8.5662, 3.7794, 44.0210



0.7140, 0.3794, 3.4705

Previews

White Background



This preview shows how the XYZ color 63.3636, 71.0214, 29.4377 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 63.3636, 71.0214, 29.4377 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

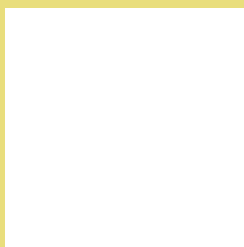
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3636, 71.0214, 29.4377

Background



This preview shows how black text looks on a background with the XYZ color 63.3636, 71.0214, 29.4377.



This preview shows how white text looks on a background with the XYZ color 63.3636, 71.0214,

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

63.3636, 71.0214, 29.4377

Protanopia

65.1823, 70.7939, 28.9680

Deuteranopia

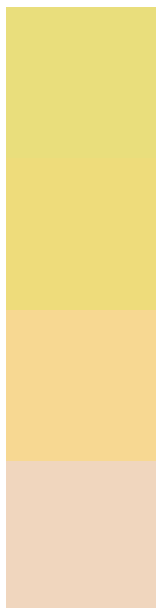
71.0415, 70.8502, 42.7320



Tritanopia

74.2199, 70.8723, 82.4410

Trichromacy



Original Color

63.3636, 71.0214, 29.4377

Protanomaly

64.4282, 70.7936, 29.0077

Deuteranomaly

68.1019, 70.9612, 37.3017

Tritanomaly

69.2760, 70.3361, 58.6402

Monochromacy



Original Color

63.3636, 71.0214, 29.4377

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.9721, 68.3341, 53.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3636, 71.0214, 29.4377 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(233, 222, 124)` looks like.

```
.text, #text, p{  
    color:rgb(233, 222, 124)  
}
```

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(233, 222, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 222, 124) }
```

Border

The CSS property to change the border of an element to XYZ 63.3636, 71.0214, 29.4377 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(233, 222, 124) }
```


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

```
.border{ border-color:rgb(233, 222, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 222, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 222, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 222, 124);  
box-shadow:4px 4px 4px 4px rgb(233, 222,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3636, 71.0214, 29.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 222, 124) }
```

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

```
.background{ background-color: rgb(233,  
222, 124) }
```

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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