

Converting Colors

XYZ(65.8270, 71.8860, 36.1130)

Have a look what the booklet for
XYZ(65.8270, 71.8860, 36.1130)
contains.

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Color

**XYZ(65.6640, 71.6704,
35.9641)**

Conversions

Conversions Part 1

Format	Color
Hex	EDDD8E
RGB	237, 221, 142
RGB Percent	93%, 87%, 56%
CMY	0.0706, 0.1333, 0.4431
CMYK	0.00, 0.07, 0.40, 0.07
HSL	50°, 73%, 74%
HSV	50°, 40%, 93%
XYZ	65.6640, 71.6704, 35.9641
YIQ	216.7780, 34.8950, -21.1770

Conversions

Conversions Part 2

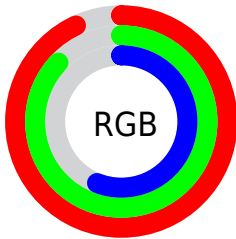
Format	Color
RYB	161, 237, 142
Decimal	15588750
CIELab	87.81, -5.44, 40.73
CIELCh	88, 41.094, 97.614
Yxy	71.6704, 0.3789, 0.4136
Android (android.graphics.Color)	4293778830 (0xFFE8DD8E)
YUV	216.7780, -36.8656, 17.7347
Hunter-Lab	84.6584, -9.7013, 34.0736

Details

The XYZ color **65.6640, 71.6704, 35.9641** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **38.6680, 36.3179, 85.0928**, and the grayscale version is **66.0305, 69.4693, 75.6520**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **34.3041, 37.7139, 15.1444** is the 20% darker color. If you saturate the color by 10%, you get **63.0300, 68.9536, 27.2213**, and if you desaturate by 10%, it is **68.7049, 74.5952, 46.7106**.

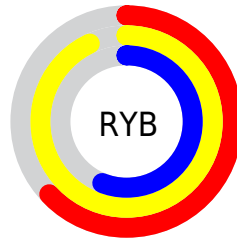
Distribution



Red (93%)

Green (87%)

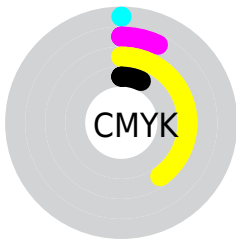
Blue (56%)



Red (63%)

Yellow (93%)

Blue (56%)

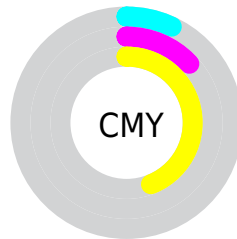


Cyan (0%)

Magenta (7%)

Yellow (40%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6640, 71.6704, 35.9641 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 65.6640, 71.6704, 35.9641 by changing the saturation by 10% instead.

65.6640, 71.6704,
35.9641

65.6640, 71.6704,
35.9641

434.6819,
466.3936, 343.8363

48.2664, 52.8895,
24.1170

112.0644,
121.5878, 70.1451

34.2500, 37.7145,
15.2074

141.7978,
153.4931, 93.3160

23.2495, 25.7612,
8.8169

176.3739,
190.5419, 121.0987

14.8996, 16.6451,
4.5267

216.1581,
233.1187, 153.9116

8.8348, 9.9818,
1.9185

261.5156,
281.6079, 192.1732

4.6898, 5.3869,
0.5045

312.8118,

2.0993, 2.4760,

336.3939, 236.3022

0.0000

370.4121,
397.8609, 286.7170

■ 0.6888, 0.8646,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6640, 71.6704,
35.9641

■ 65.6640, 71.6704,
35.9641

■ 63.0300, 68.9536,
27.2213

■ 68.7049, 74.5952,
46.7106

■ 60.7733, 66.4250,
20.3502


■ 72.1697, 77.7272,
59.5726

■ 58.8684, 64.0766,
15.2101


■ 76.0806, 81.0784,
74.6588


■ 57.2844, 61.8958,
11.6386


■ 80.4568, 84.6565,
92.0693


 55.9843, 59.8675,
9.4421


 84.4176, 88.1096,
107.1653

 54.9136, 57.9817,
8.2973

 85.6114, 90.4973,
107.5633

 86.8313, 92.9371,
107.9699

 88.0774, 95.4292,
108.3853

 88.7351, 96.7445,
108.6045

Harmonies

Analogous

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



75.5215, 71.6704, 38.1408



65.6640, 71.6704, 35.9641



57.2956, 71.6704, 42.7325

Triad

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



65.6640, 71.6704, 35.9641



54.3086, 71.6704, 115.6553



86.9900, 71.6704, 100.3504

Complementary

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



65.6640, 71.6704, 35.9641



38.6680, 36.3179, 85.0928

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.



80.2297, 71.6704, 128.8294



65.6640, 71.6704, 35.9641



61.2197, 71.6704, 139.0355

Square

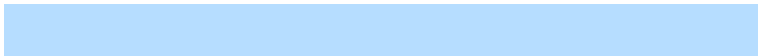
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.6640, 71.6704, 35.9641



51.1596, 71.6704, 85.3774



70.6376, 71.6704, 144.3590



88.4684, 71.6704, 71.1296

Rectangle

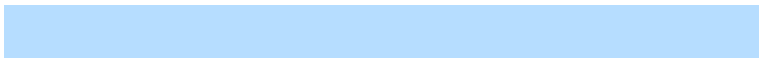
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.6640, 71.6704, 35.9641



53.4688, 71.6704, 52.6417



70.6376, 71.6704, 144.3590



85.2307, 71.6704, 110.5133

Sweetspot

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



65.6658, 71.6737, 35.9656



88.8873, 94.9404, 84.4462



50.8928, 39.8690, 38.0048



18.8923, 20.2083, 17.5570



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.



65.6658, 71.6737, 35.9656



74.9808, 82.0118, 33.9236



60.8759, 75.7749, 37.0097



16.1236, 17.1702, 15.9831



30.0650, 31.8243, 4.5581



2.4180, 2.6133, 0.3770

Inverse Universe

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



38.6680, 36.3179, 85.0928



39.0850, 35.0245, 99.3081



41.9913, 34.2414, 84.5168



14.4361, 14.9587, 19.0487



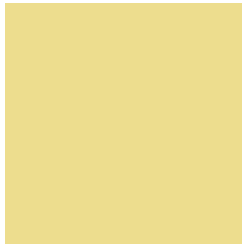
8.8222, 4.2914, 44.1063



0.7532, 0.4578, 3.4836

Previews

White Background



This preview shows how the XYZ color 65.6640, 71.6704, 35.9641 looks on a white background.

Color Contrast Check

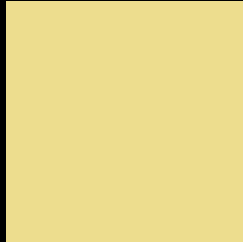
Large Text (above 18pt) WCAG AA × Fail

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 65.6640, 71.6704, 35.9641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

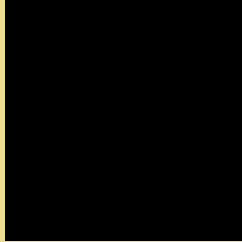
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.6640, 71.6704, 35.9641

Background



This preview shows how black text looks on a background with the XYZ color 65.6640, 71.6704, 35.9641.



This preview shows how white text looks on a background with the XYZ color 65.6640, 71.6704,

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

65.6640, 71.6704, 35.9641

Protanopia

66.4109, 71.6647, 35.9236

Deuteranopia

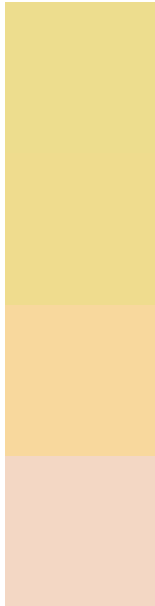
71.9172, 71.6017, 46.1065



Tritanopia

75.1654, 71.7274, 82.5562

Trichromacy



Original Color

65.6640, 71.6704, 35.9641

Protanomaly

66.0723, 71.4901, 35.9078

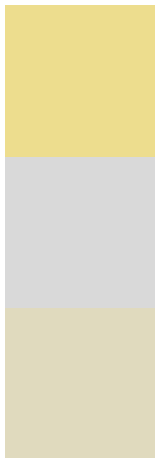
Deuteranomaly

69.3531, 71.5025, 42.0444

Tritanomaly

71.2264, 71.6411, 62.2986

Monochromacy



Original Color

65.6640, 71.6704, 35.9641

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.1061, 69.7078, 58.7387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6640, 71.6704, 35.9641 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(237, 221, 142)` looks like.

```
.text, #text, p{  
    color:rgb(237, 221, 142)  
}
```

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(237, 221, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 221, 142) }
```

Border

The CSS property to change the border of an element to XYZ 65.6640, 71.6704, 35.9641 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(237, 221, 142) }
```


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

```
.border{ border-color:rgb(237, 221, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 221, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 221, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 221, 142);  
box-shadow:4px 4px 4px 4px rgb(237, 221,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6640, 71.6704, 35.9641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 221, 142) }
```

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

```
.background{ background-color: rgb(237,  
221, 142) }
```

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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