

Converting Colors

XYZ(66.3762, 69.9520, 45.8887)

Have a look what the booklet for
XYZ(66.3762, 69.9520, 45.8887)
contains.

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Color

**XYZ(66.3639, 69.8694,
46.0648)**

Conversions

Conversions Part 1

Format	Color
Hex	EDD8A6
RGB	237, 216, 166
RGB Percent	93%, 85%, 65%
CMY	0.0706, 0.1529, 0.3490
CMYK	0.00, 0.09, 0.30, 0.07
HSL	42°, 66%, 79%
HSV	42°, 30%, 93%
XYZ	66.3639, 69.8694, 46.0648
YIQ	216.5790, 28.5660, -11.0980

Conversions

Conversions Part 2

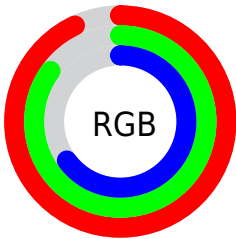
Format	Color
R _Y B	196, 237, 166
Decimal	15587494
CIE Lab	86.93, -0.10, 27.33
CIE LCh	87, 27.329, 90.210
Yxy	69.8694, 0.3640, 0.3833
Android (android.graphics.Color)	4293777574 (0xFFEDD8A6)
YUV	216.5790, -24.9354, 17.9092
Hunter-Lab	83.5879, -4.5603, 25.8372

Details

The XYZ color **66.3639, 69.8694, 46.0648** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.7820, 49.7609, 87.1548**, and the grayscale version is **65.8182, 69.2458, 75.4087**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **34.6045, 36.4079, 21.1232** is the 20% darker color. If you saturate the color by 10%, you get **62.6303, 65.5664, 35.0648**, and if you desaturate by 10%, it is **70.5784, 74.4922, 59.2032**.

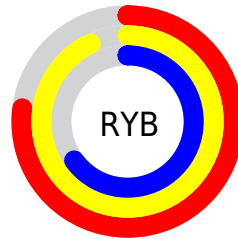
Distribution



Red (93%)

Green (85%)

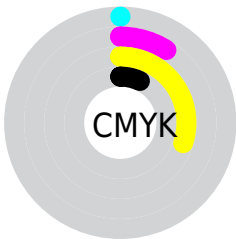
Blue (65%)



Red (77%)

Yellow (93%)

Blue (65%)

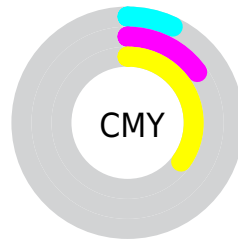


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3639, 69.8694, 46.0648 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 66.3639, 69.8694, 46.0648 by changing the saturation by 10% instead.

66.3639, 69.8694,
46.0648

66.3639, 69.8694,
46.0648

437.1453,
460.0913, 387.3543

48.8367, 51.4201,
31.9479

113.0633,
119.0225, 85.6513

34.7039, 36.5430,
21.0572

142.9662,
150.4950, 111.9580

23.6003, 24.8539,
12.9742

177.7250,
187.0775, 143.1650

15.1605, 15.9682,
7.2803

217.7051,
229.1541, 179.6909

9.0192, 9.5017,
3.5569

263.2718,
277.1095, 221.9542

4.8109, 5.0698,
1.3855

314.7905,

2.1704, 2.2883,

331.3278, 270.3736

0.1304

372.6266,
392.1937, 325.3674

■ 0.7270, 0.7675,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.3639, 69.8694,
46.0648

■ 66.3639, 69.8694,
46.0648

■ 62.6303, 65.5664,
35.0648

■ 70.5784, 74.4922,
59.2032

■ 59.3492, 61.5631,
26.0825

■ 75.2896, 79.4352,
74.5830

■ 56.4972, 57.8508,
18.9917

■ 80.5192, 84.7111,
92.3061

■ 54.0465, 54.4170,
13.6502

■ 85.3376, 89.9493,
107.4719

■ 51.9652, 51.2473,
9.8956

■ 87.4871, 94.2483,
108.1884

■ 50.2157, 48.3250,
7.5344

■ 88.7352, 96.7446,
108.6045

■ 48.7350, 45.6233,
6.2405

■ 48.7290, 45.6121,
6.2357

Harmonies

Analogous

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



72.6943, 69.8694, 49.4695



66.3639, 69.8694, 46.0648



60.4234, 69.8694, 49.5660

Triad

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



66.3639, 69.8694, 46.0648



56.3581, 69.8694, 95.1655



77.6383, 69.8694, 94.9073

Complementary

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



66.3639, 69.8694, 46.0648



48.7820, 49.7609, 87.1548

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.



72.7769, 69.8694, 110.6698



66.3639, 69.8694, 46.0648



60.4964, 69.8694, 110.8349

Square

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



66.3639, 69.8694, 46.0648



54.8774, 69.8694, 76.2045



66.4537, 69.8694, 116.9113



79.4520, 69.8694, 75.9474

Rectangle

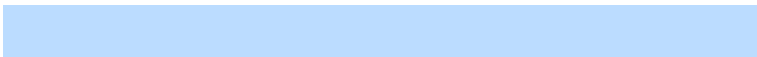
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.3639, 69.8694, 46.0648



57.4185, 69.8694, 55.7272



66.4537, 69.8694, 116.9113



76.2917, 69.8694, 100.8580

Sweetspot

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



66.3657, 69.8726, 46.0663



89.4457, 94.3552, 89.8793



57.5637, 48.8785, 53.5837



18.9613, 20.0071, 18.6257



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.



66.3657, 69.8726, 46.0663



75.5721, 79.3182, 46.0712



67.5375, 78.9782, 47.7621



15.9540, 16.8310, 15.9266



26.7235, 25.1413, 3.4443



2.1813, 2.1399, 0.2981

Inverse Universe

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



48.7820, 49.7609, 87.1548



51.6837, 52.0045, 101.9216



47.7921, 43.1151, 85.9243



14.5942, 15.2748, 19.1014



9.6434, 5.9337, 44.3800



0.8382, 0.6278, 3.5119

Previews

White Background



This preview shows how the XYZ color 66.3639, 69.8694, 46.0648 looks on a white background.

Color Contrast Check

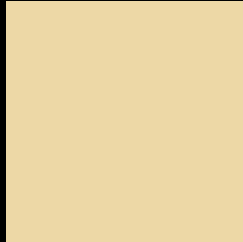
Large Text (above 18pt) WCAG AA × Fail

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 66.3639, 69.8694, 46.0648 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 66.3639, 69.8694, 46.0648

Background



This preview shows how black text looks on a background with the XYZ color 66.3639, 69.8694, 46.0648.



This preview shows how white text looks on a background with the XYZ color 66.3639, 69.8694,

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

66.3639, 69.8694, 46.0648

Protanopia

65.3922, 69.7394, 46.5737

Deuteranopia

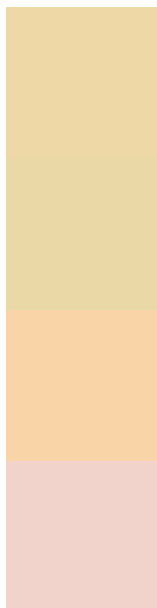
71.1083, 69.6881, 46.7491



Tritanopia

73.3186, 69.7267, 80.1153

Trichromacy



Original Color

66.3639, 69.8694, 46.0648

Protanomaly

65.7196, 69.9082, 46.5890

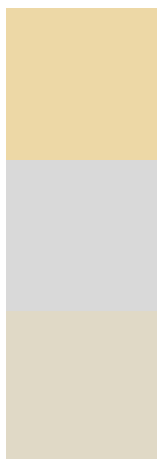
Deuteranomaly

69.2299, 69.8334, 46.3896

Tritanomaly

70.3494, 69.6011, 66.2265

Monochromacy



Original Color

66.3639, 69.8694, 46.0648

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.7464, 69.5502, 63.3854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3639, 69.8694, 46.0648 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, 216, 166)` looks like.

```
.text, #text, p{  
    color:rgb(237, 216, 166)  
}
```

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, 216, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 216, 166) }
```

Border

The CSS property to change the border of an element to XYZ 66.3639, 69.8694, 46.0648 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, 216, 166) }
```


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

```
.border{ border-color:rgb(237, 216, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 216, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 216, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 216, 166); box-shadow:4px 4px 4px 4px rgb(237, 216, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3639, 69.8694, 46.0648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 216, 166) }
```

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

```
.background{ background-color: rgb(237,  
216, 166) }
```

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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