

Converting Colors

XYZ(66.6013, 71.4949, 51.7389)

Have a look what the booklet for
XYZ(66.6013, 71.4949, 51.7389)
contains.

XYZ(66.4840, 71.3496, 51.8627)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.4840, 71.3496,
51.8627)**

Conversions

Conversions Part 1

Format	Color
Hex	E7DCB1
RGB	231, 220, 177
RGB Percent	91%, 86%, 69%
CMY	0.0941, 0.1372, 0.3059
CMYK	0.00, 0.05, 0.23, 0.09
HSL	48°, 53%, 80%
HSV	48°, 23%, 91%
XYZ	66.4840, 71.3496, 51.8627
YIQ	218.3870, 20.3590, -11.0410

Conversions

Conversions Part 2

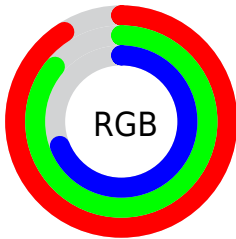
Format	Color
RYB	191, 231, 177
Decimal	15195313
CIELab	87.65, -2.94, 22.52
CIELCh	88, 22.713, 97.447
Yxy	71.3496, 0.3505, 0.3761
Android (android.graphics.Color)	4293385393 (0xFFE7DCB1)
YUV	218.3870, -20.4038, 11.0616
Hunter-Lab	84.4687, -7.3256, 22.7248

Details

The XYZ color **66.4840, 71.3496, 51.8627** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.5383, 51.0819, 82.7978**, and the grayscale version is **67.0359, 70.5270, 76.8039**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **34.7724, 37.4795, 24.4703** is the 20% darker color. If you saturate the color by 10%, you get **63.1572, 68.0738, 40.3398**, and if you desaturate by 10%, it is **70.2391, 74.8572, 65.4529**.

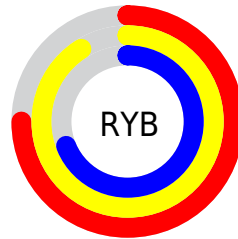
Distribution



Red (91%)

Green (86%)

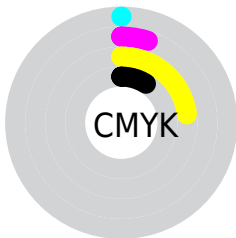
Blue (69%)



Red (75%)

Yellow (91%)

Blue (69%)

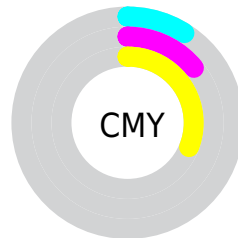


Cyan (0%)

Magenta (5%)

Yellow (23%)

Black (9%)



Cyan (9%)

Magenta (14%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4840, 71.3496, 51.8627 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 66.4840, 71.3496, 51.8627 by changing the saturation by 10% instead.

■ 66.4840, 71.3496,
51.8627

■ 66.4840, 71.3496,
51.8627

437.5672,
465.2746, 410.8482

■ 48.9346, 52.6275,
36.5142

■ 113.2346,
121.1314, 94.3532

■ 34.7819, 37.5055,
24.5387

143.1665,
152.9599, 122.3323

■ 23.6606, 25.5991,
15.5178

177.9566,
189.9260, 155.3587

■ 15.2054, 16.5240,
9.0330

217.9702,
232.4142, 193.8508

■ 9.0510, 9.8957,
4.6656

263.5727,
280.8087, 238.2273

■ 4.8318, 5.3299,
1.9971

315.1295,

■ 2.1827, 2.4421,

335.4940, 288.9066

0.5535

373.0059,
396.8545, 346.3074

■ 0.7336, 0.8474,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4840, 71.3496,
51.8627

■ 66.4840, 71.3496,
51.8627

■ 63.1572, 68.0738,
40.3398

■ 70.2391, 74.8572,
65.4529

■ 60.2332, 65.0117,
30.7762

■ 74.4353, 78.5949,
81.2020

■ 57.6922, 62.1576,
23.0612

■ 79.0920, 82.5732,
99.2016

■ 55.5105, 59.5014,
17.0708

■ 81.8189, 85.8364,
106.8635

■ 53.6613, 57.0319,
12.6660

■ 83.2125, 88.6237,
107.3281

■ 52.1140, 54.7364,
9.6864

■ 84.6423, 91.4832,
107.8046

■ 50.8312, 52.5996,
7.9369

■ 86.1084, 94.4154,
108.2933

■ 50.0886, 51.2558,
7.2534

■ 86.7652, 95.7290,
108.5123

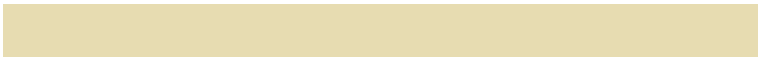
Harmonies

Analogous

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



71.8603, 71.3496, 53.4174



66.4840, 71.3496, 51.8627



61.7195, 71.3496, 56.4643

Triad

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



66.4840, 71.3496, 51.8627



59.9314, 71.3496, 97.1252



77.8228, 71.3496, 89.6111

Complementary

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



66.4840, 71.3496, 51.8627



50.5383, 51.0819, 82.7978

Split Complementary

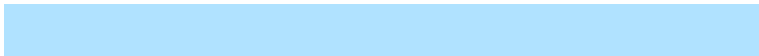
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3006, 71.3496, 103.6565



66.4840, 71.3496, 51.8627



63.9257, 71.3496, 108.3793

Square

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



66.4840, 71.3496, 51.8627



58.0685, 71.3496, 81.5902



69.1650, 71.3496, 110.9151



78.5967, 71.3496, 73.9115

Rectangle

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



66.4840, 71.3496, 51.8627



59.4661, 71.3496, 62.8144



69.1650, 71.3496, 110.9151



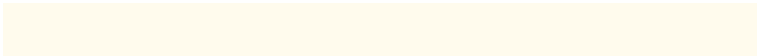
76.9123, 71.3496, 94.7407

Sweetspot

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



66.4859, 71.3528, 51.8642



91.1595, 96.6061, 94.0779



57.8306, 52.0952, 54.9818



19.4429, 20.6165, 19.8769



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.



66.4859, 71.3528, 51.8642



81.1461, 87.2965, 57.7009



64.7427, 74.8799, 52.6369



15.3393, 16.2925, 15.2408



28.1711, 28.9164, 4.0966



2.1450, 2.2632, 0.3238

Inverse Universe

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



50.5383, 51.0819, 82.7978



57.9471, 57.8123, 102.7125



51.9610, 48.4604, 82.2169



13.8193, 14.3601, 18.1877



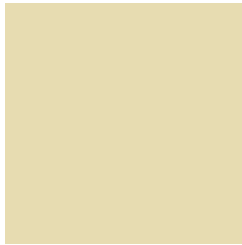
8.7276, 4.5172, 42.7951



0.7103, 0.4645, 3.1842

Previews

White Background



This preview shows how the XYZ color 66.4840, 71.3496, 51.8627 looks on a white background.

Color Contrast Check

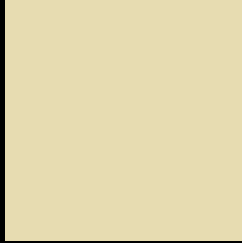
Large Text (above 18pt) WCAG AA × Fail

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 66.4840, 71.3496, 51.8627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

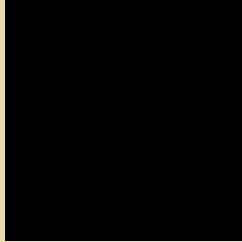
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

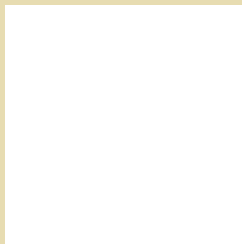
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4840, 71.3496, 51.8627

Background



This preview shows how black text looks on a background with the XYZ color 66.4840, 71.3496, 51.8627.



This preview shows how white text looks on a background with the XYZ color 66.4840, 71.3496,

51.8627.

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

66.4840, 71.3496, 51.8627

Protanopia

66.8716, 71.1610, 51.8059

Deuteranopia

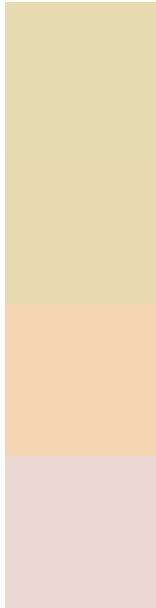
72.6709, 71.1032, 52.5419



Tritanopia

73.1970, 71.4228, 84.0568

Trichromacy



Original Color

66.4840, 71.3496, 51.8627

Protanomaly

66.5460, 70.9932, 51.7907

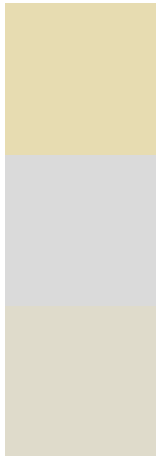
Deuteranomaly

70.0885, 70.9003, 52.1105

Tritanomaly

70.4497, 71.4270, 71.0465

Monochromacy



Original Color

66.4840, 71.3496, 51.8627

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.5424, 70.6628, 66.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4840, 71.3496, 51.8627 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, 220, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 220, 177)  
}
```

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, 220, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 220, 177) }
```

Border

The CSS property to change the border of an element to XYZ 66.4840, 71.3496, 51.8627 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, 220, 177) }
```


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

```
.border{ border-color:rgb(231, 220, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 220, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 220, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 220, 177); box-shadow:4px 4px 4px 4px rgb(231, 220, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4840, 71.3496, 51.8627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 220, 177) }
```

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

```
.background{ background-color: rgb(231,  
220, 177) }
```

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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