

Converting Colors

XYZ(66.1621, 71.1837, 51.8477)

Have a look what the booklet for
XYZ(66.1621, 71.1837, 51.8477)
contains.

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Color

**XYZ(66.1621, 71.1837,
51.8477)**

Conversions

Conversions Part 1

Format	Color
Hex	E6DCB1
RGB	230, 220, 177
RGB Percent	90%, 86%, 69%
CMY	0.0980, 0.1372, 0.3059
CMYK	0.00, 0.04, 0.23, 0.10
HSL	49°, 51%, 80%
HSV	49°, 23%, 90%
XYZ	66.1621, 71.1837, 51.8477
YIQ	218.0880, 19.7630, -11.2530

Conversions

Conversions Part 2

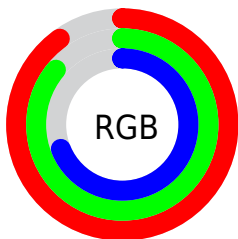
Format	Color
RYB	189, 230, 177
Decimal	15129777
CIELab	87.57, -3.31, 22.40
CIELCh	88, 22.642, 98.418
Yxy	71.1837, 0.3497, 0.3762
Android (android.graphics.Color)	4293319857 (0xFFE6DCB1)
YUV	218.0880, -20.2564, 10.4468
Hunter-Lab	84.3704, -7.6711, 22.6241

Details

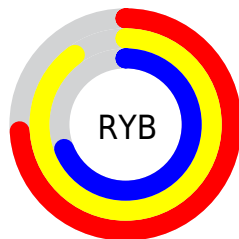
The XYZ color **66.1621, 71.1837, 51.8477** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.1844, 50.5997, 81.9849**, and the grayscale version is **66.8286, 70.3089, 76.5664**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **34.5488, 37.3642, 24.4599** is the 20% darker color. If you saturate the color by 10%, you get **62.9371, 68.0982, 40.3998**, and if you desaturate by 10%, it is **69.8068, 74.4892, 65.3434**.

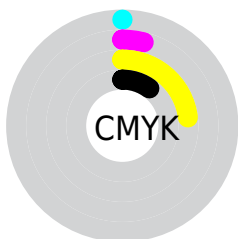
Distribution



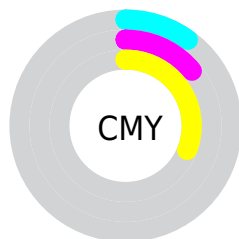
- Red (90%)
- Green (86%)
- Blue (69%)



- Red (74%)
- Yellow (90%)
- Blue (69%)



- Cyan (0%)
- Magenta (4%)
- Yellow (23%)
- Black (10%)



- Cyan (10%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1621, 71.1837, 51.8477 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 66.1621, 71.1837, 51.8477 by changing the saturation by 10% instead.

■ 66.1621, 71.1837,
51.8477

■ 66.1621, 71.1837,
51.8477

436.4359,
464.6953, 410.7886

■ 48.6722, 52.4921,
36.5023

■ 112.7754,
120.8953, 94.3309

■ 34.5730, 37.3975,
24.5296

142.6295,
152.6840, 122.3057

■ 23.4991, 25.5154,
15.5111

177.3357,
189.6073, 155.3275

■ 15.0852, 16.4615,
9.0283

217.2594,
232.0495, 193.8147

■ 8.9659, 9.8513,
4.6626

262.7659,
280.3950, 238.1858

■ 4.7759, 5.3005,
1.9954

314.2206,

■ 2.1498, 2.4246,

335.0282, 288.8595

0.5525

371.9888,
396.3335, 346.2542

■ 0.7161, 0.8385,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1621, 71.1837,
51.8477

■ 66.1621, 71.1837,
51.8477

■ 62.9371, 68.0982,
40.3998

■ 69.8068, 74.4892,
65.3434

■ 60.1067, 65.2150,
30.8932

■ 73.8838, 78.0129,
80.9773

■ 57.6514, 62.5284,
23.2185

■ 78.4121, 81.7650,
98.8399

■ 55.5478, 60.0286,
17.2537

■ 81.0704, 84.8174,
106.7063

■ 53.7698, 57.7050,
12.8619

■ 82.3440, 87.3646,
107.1308

■ 52.2871, 55.5449,
9.8850

■ 83.6482, 89.9729,
107.5655

■ 51.0632, 53.5334,
8.1319

■ 84.9832, 92.6429,
108.0105

■ 50.3244, 52.2054,
7.4243

■ 86.3492, 95.3749,
108.4659

■ 86.4432, 95.5630,
108.4972

Harmonies

Analogous

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



71.5156, 71.1837, 53.1972



66.1621, 71.1837, 51.8477



61.4607, 71.1837, 56.6267

Triad

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



66.1621, 71.1837, 51.8477



59.9087, 71.1837, 97.3082



77.6891, 71.1837, 88.8649

Complementary

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



66.1621, 71.1837, 51.8477



50.1844, 50.5997, 81.9849

Split Complementary

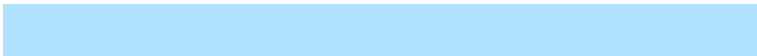
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2585, 71.1837, 102.9766



66.1621, 71.1837, 51.8477



63.9416, 71.1837, 108.2813

Square

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



66.1621, 71.1837, 51.8477



57.9770, 71.1837, 81.9036



69.1762, 71.1837, 110.4821



78.3607, 71.1837, 73.2705

Rectangle

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



66.1621, 71.1837, 51.8477



59.2618, 71.1837, 63.0694



69.1762, 71.1837, 110.4821



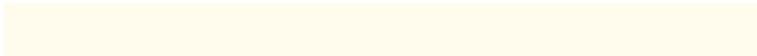
76.8119, 71.1837, 93.9951

Sweetspot

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



66.1640, 71.1869, 51.8492



91.2435, 96.7742, 94.1060



57.3900, 51.8818, 54.3415



19.4624, 20.6556, 19.8834



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.



66.1640, 71.1869, 51.8492



81.4638, 87.9319, 57.8068



63.9939, 74.0795, 52.5219



15.3585, 16.3308, 15.2471



28.5757, 29.7256, 4.2315



2.1715, 2.3163, 0.3326

Inverse Universe

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



50.1844, 50.5997, 81.9849



57.7024, 57.3229, 102.6309



51.9727, 48.4827, 81.4820



13.8017, 14.3247, 18.1819



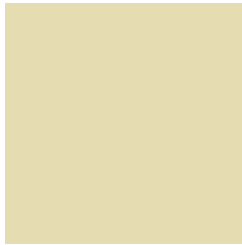
8.6486, 4.3593, 42.7688



0.7019, 0.4478, 3.1814

Previews

White Background



This preview shows how the XYZ color 66.1621, 71.1837, 51.8477 looks on a white background.

Color Contrast Check

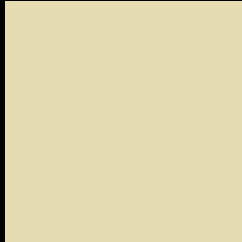
Large Text (above 18pt) WCAG AA × Fail

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 66.1621, 71.1837, 51.8477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

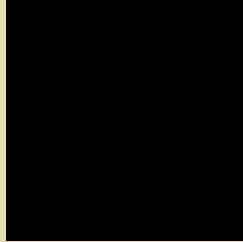
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.1621, 71.1837, 51.8477

Background



This preview shows how black text looks on a background with the XYZ color 66.1621, 71.1837, 51.8477.



This preview shows how white text looks on a background with the XYZ color 66.1621, 71.1837,

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

66.1621, 71.1837, 51.8477

Protanopia

66.8716, 71.1610, 51.8059

Deuteranopia

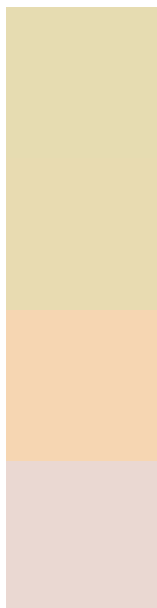
72.6709, 71.1032, 52.5419



Tritanopia

72.8622, 71.2502, 84.0411

Trichromacy



Original Color

66.1621, 71.1837, 51.8477

Protanomaly

66.5460, 70.9932, 51.7907

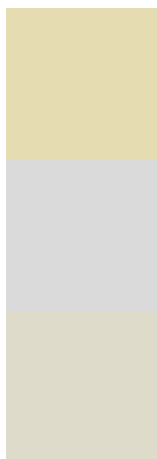
Deuteranomaly

70.0885, 70.9003, 52.1105

Tritanomaly

70.1204, 71.2573, 71.0311

Monochromacy



Original Color

66.1621, 71.1837, 51.8477

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.2352, 70.5044, 66.6177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1621, 71.1837, 51.8477 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(230, 220, 177)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 220, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 220, 177) }
```

Border

The CSS property to change the border of an element to XYZ 66.1621, 71.1837, 51.8477 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(230, 220, 177) }
```


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

```
.border{ border-color:rgb(230, 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(230, 220, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 220, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 220, 177); box-shadow:4px 4px 4px 4px rgb(230, 220, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1621, 71.1837, 51.8477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 220, 177) }
```

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

```
.background{ background-color: rgb(230,  
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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