

Converting Colors

XYZ(68.1469, 77.7169, 36.7656)

Have a look what the booklet for
XYZ(68.1469, 77.7169, 36.7656)
contains.

XYZ(68.2076, 77.8631, 36.6335)	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(68.2076, 77.8631,
36.6335)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE98D
RGB	235, 233, 141
RGB Percent	92%, 91%, 55%
CMY	0.0784, 0.0863, 0.4470
CMYK	0.00, 0.01, 0.40, 0.08
HSL	59°, 70%, 74%
HSV	59°, 40%, 92%
XYZ	68.2076, 77.8631, 36.6335
YIQ	223.1100, 30.7240, -28.1880

Conversions

Conversions Part 2

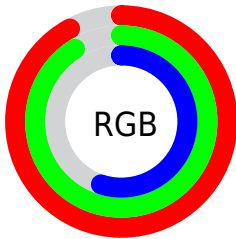
Format	Color
R _{YB}	143, 235, 141
Decimal	15460749
CIE Lab	90.72, -12.34, 44.89
CIE LCh	91, 46.558, 105.373
Yxy	77.8631, 0.3733, 0.4262
Android (android.graphics.Color)	4293650829 (0xFFEBE98D)
YUV	223.1100, -40.4802, 10.4275
Hunter-Lab	88.2401, -16.4436, 37.1534

Details

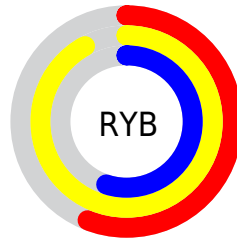
The XYZ color **68.2076, 77.8631, 36.6335** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.8023, 31.3050, 82.7527**, and the grayscale version is **70.4826, 74.1531, 80.7528**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **35.8854, 41.6305, 15.5953** is the 20% darker color. If you saturate the color by 10%, you get **66.5012, 76.9579, 28.3344**, and if you desaturate by 10%, it is **70.2893, 78.9247, 46.8898**.

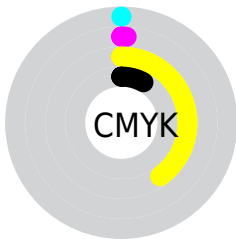
Distribution



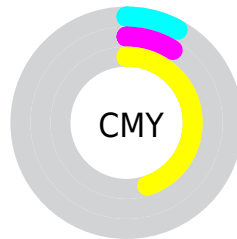
- Red (92%)
- Green (91%)
- Blue (55%)



- Red (56%)
- Yellow (92%)
- Blue (55%)



- Cyan (0%)
- Magenta (1%)
- Yellow (40%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2076, 77.8631, 36.6335 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 68.2076, 77.8631, 36.6335 by changing the saturation by 10% instead.

68.2076, 77.8631,
36.6335

68.2076, 77.8631,
36.6335

443.5964,
487.7018, 346.8418

50.3409, 57.9615,
24.6303

115.6894,
130.3571, 71.1888

35.9033, 41.7777,
15.5853

146.0352,
163.7184, 94.5779

24.5293, 28.9273,
9.0800

181.2714,
202.3349, 122.5994

15.8536, 19.0258,
4.6959

221.7634,
246.5912, 155.6719

9.5108, 11.6889,
2.0144

267.8766,
296.8717, 194.2138

5.1356, 6.5322,
0.5641

319.9762,

2.3626, 3.1713,

353.5607, 238.6438

0.0000

378.4277,
417.0426, 289.3802

■ 0.8264, 1.2218,
0.0000

■ 0.0000, 0.0794,
0.0000

■ 68.2076, 77.8631,
36.6335

■ 68.2076, 77.8631,
36.6335

■ 66.5012, 76.9579,
28.3344

■ 70.2893, 78.9247,
46.8898

■ 65.1407, 76.1888,
21.8630

■ 72.7620, 80.1405,
59.2122

■ 64.1015, 75.5489,
17.0818

■ 75.6478, 81.5222,
73.7073

■ 63.3534, 75.0262,
13.8320

■ 78.9650, 83.0771,
90.4729

■ 62.8607, 74.6062,
11.9246

■ 82.1622, 84.5846,
106.6038

■ 62.5621, 74.2644,
11.0372

■ 82.3055, 84.8713,
106.6516

■ 62.5620, 74.2644,
11.0371

■ 82.4492, 85.1587,
106.6995

■ 82.5933, 85.4469,
106.7475

■ 82.7378, 85.7360,
106.7957

Harmonies

Analogous

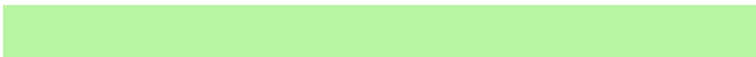
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8276, 77.8631, 36.5097



68.2076, 77.8631, 36.6335



59.1377, 77.8631, 47.1291

Triad

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



68.2076, 77.8631, 36.6335



59.3160, 77.8631, 139.3269



97.9493, 77.8631, 102.0925

Complementary

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



68.2076, 77.8631, 36.6335



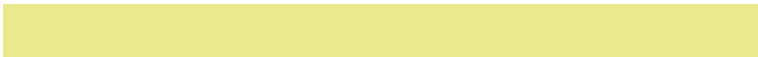
35.8023, 31.3050, 82.7527

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.



91.1795, 77.8631, 138.5035



68.2076, 77.8631, 36.6335



68.4756, 77.8631, 163.5433

Square

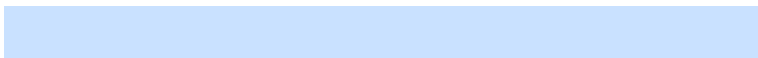
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2076, 77.8631, 36.6335



54.3844, 77.8631, 103.0112



80.1252, 77.8631, 163.2075



97.8580, 77.8631, 68.8372

Rectangle

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



68.2076, 77.8631, 36.6335



55.4005, 77.8631, 60.6894



80.1252, 77.8631, 163.2075



96.3717, 77.8631, 114.5257

Sweetspot

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



68.2095, 77.8667, 36.6351



90.3022, 97.7701, 84.9179



48.8307, 38.7305, 31.3422



19.2276, 20.8788, 17.6687



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.



68.2095, 77.8667, 36.6351



80.3834, 92.8171, 35.7245



56.0360, 72.4336, 36.2281



16.3230, 17.5689, 16.0495



34.8314, 41.3570, 6.1469



2.7438, 3.2650, 0.4856

Inverse Universe

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



35.8023, 31.3050, 82.7527



36.3512, 29.5568, 98.3969



44.4964, 35.3466, 83.0746



14.2568, 14.6001, 18.9889



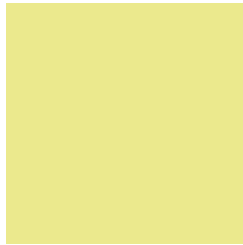
8.3873, 3.4216, 43.9613



0.6677, 0.2868, 3.4550

Previews

White Background



This preview shows how the XYZ color 68.2076, 77.8631, 36.6335 looks on a white background.

Color Contrast Check

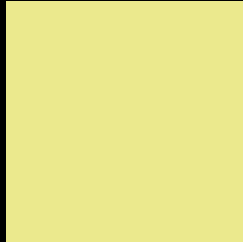
Large Text (above 18pt) WCAG AA × Fail

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 68.2076, 77.8631, 36.6335 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

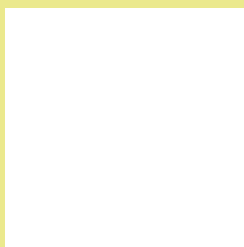
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2076, 77.8631, 36.6335

Background



This preview shows how black text looks on a background with the XYZ color 68.2076, 77.8631, 36.6335.



This preview shows how white text looks on a background with the XYZ color 68.2076, 77.8631,

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

68.2076, 77.8631, 36.6335

Protanopia

71.4705, 77.4906, 35.6164

Deuteranopia

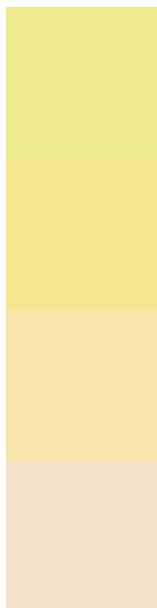
76.8130, 77.7095, 59.0951



Tritanopia

79.4425, 77.5377, 92.4406

Trichromacy



Original Color

68.2076, 77.8631, 36.6335

Protanomaly

70.3387, 77.7202, 36.1052

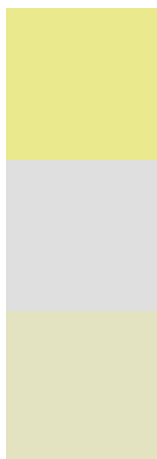
Deuteranomaly

73.6269, 77.8732, 50.1802

Tritanomaly

74.3227, 77.0395, 67.4528

Monochromacy



Original Color

68.2076, 77.8631, 36.6335

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.7733, 75.1193, 61.3268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2076, 77.8631, 36.6335 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(235, 233, 141)` looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 141)  
}
```

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(235, 233, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 141) }
```

Border

The CSS property to change the border of an element to XYZ 68.2076, 77.8631, 36.6335 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(235, 233, 141) }
```


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

```
.border{ border-color:rgb(235, 233, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 141);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2076, 77.8631, 36.6335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 141) }
```

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

```
.background{ background-color: rgb(235,  
233, 141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor