

Converting Colors

XYZ(68.1347, 76.3357, 47.2196)

Have a look what the booklet for
XYZ(68.1347, 76.3357, 47.2196)
contains.

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Color

**XYZ(68.1347, 76.3357,
47.2196)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E6A6
RGB	231, 230, 166
RGB Percent	91%, 90%, 65%
CMY	0.0941, 0.0980, 0.3490
CMYK	0.00, 0.00, 0.28, 0.09
HSL	59°, 58%, 78%
HSV	59°, 28%, 91%
XYZ	68.1347, 76.3357, 47.2196
YIQ	223.0030, 21.1400, -19.6920

Conversions

Conversions Part 2

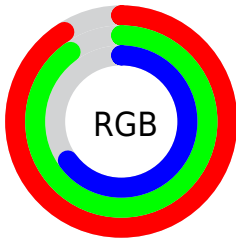
Format	Color
RYB	167, 231, 166
Decimal	15197862
CIELab	90.01, -9.47, 31.40
CIElCh	90, 32.797, 106.791
Yxy	76.3357, 0.3554, 0.3982
Android (android.graphics.Color)	4293387942 (0xFFE7E6A6)
YUV	223.0030, -28.1025, 7.0134
Hunter-Lab	87.3703, -13.6969, 29.1157

Details

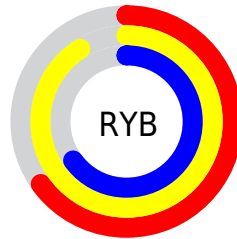
The XYZ color **68.1347, 76.3357, 47.2196** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.9682, 41.5129, 81.2968**, and the grayscale version is **70.3259, 73.9883, 80.5732**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **35.9898, 40.9662, 21.6332** is the 20% darker color. If you saturate the color by 10%, you get **66.1058, 75.3696, 37.0114**, and if you desaturate by 10%, it is **70.5484, 77.4613, 59.4356**.

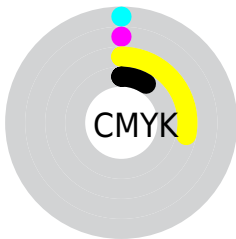
Distribution



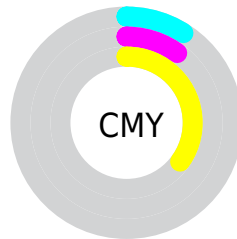
- Red (91%)
- Green (90%)
- Blue (65%)



- Red (65%)
- Yellow (91%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (28%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1347, 76.3357, 47.2196 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 68.1347, 76.3357, 47.2196 by changing the saturation by 10% instead.

68.1347, 76.3357,
47.2196

68.1347, 76.3357,
47.2196

443.3424,
482.4961, 392.1095

50.2814, 56.7078,
32.8537

115.5857,
128.2013, 87.3947

35.8558, 40.7707,
21.7442

145.9141,
161.2079, 114.0411

24.4924, 28.1400,
13.4725

181.1315,
199.4427, 145.6179

15.8260, 18.4312,
7.6202

221.6034,
243.2904, 182.5439

9.4912, 11.2600,
3.7686

267.6951,
293.1351, 225.2375

5.1226, 6.2420,
1.4993

319.7719,

2.3549, 2.9928,

349.3614, 274.1173

0.2174

378.1992,
412.3536, 329.6018

■ 0.8225, 1.1280,
0.0000

■ 0.0000, 0.0017,
0.0000

■ 68.1347, 76.3357,
47.2196

■ 68.1347, 76.3357,
47.2196

■ 66.1058, 75.3696,
37.0114

■ 70.5484, 77.4613,
59.4356

■ 64.4354, 74.5446,
28.6989

■ 73.3598, 78.7437,
73.7538

■ 63.1032, 73.8552,
22.1662

■ 76.5885, 80.1933,
90.2686

■ 62.0844, 73.2914,
17.2830

■ 79.6984, 81.5958,
106.1567

61.3509, 72.8421,
13.9011

79.7977, 81.7942,
106.1898

60.8696, 72.4940,
11.8460

79.8971, 81.9931,
106.2230

60.5936, 72.2283,
10.8714

79.9968, 82.1924,
106.2562

60.5520, 72.1828,
10.7412

80.0966, 82.3920,
106.2895

80.1966, 82.5921,
106.3228

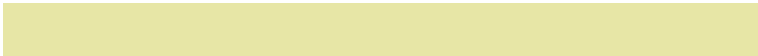
Harmonies

Analogous

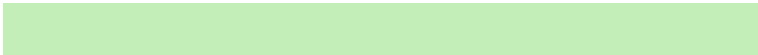
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1834, 76.3357, 46.7248



68.1347, 76.3357, 47.2196



61.7535, 76.3357, 56.0931

Triad

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



68.1347, 76.3357, 47.2196



62.3758, 76.3357, 120.1775



88.8513, 76.3357, 93.7650

Complementary

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



68.1347, 76.3357, 47.2196



43.9682, 41.5129, 81.2968

Split Complementary

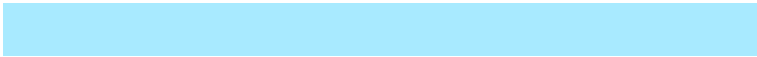
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5474, 76.3357, 117.6665



68.1347, 76.3357, 47.2196



69.0433, 76.3357, 134.7260

Square

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



68.1347, 76.3357, 47.2196



58.6026, 76.3357, 96.7231



77.1620, 76.3357, 133.7297



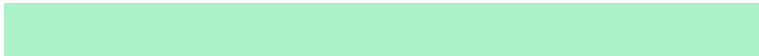
88.5623, 76.3357, 70.8500

Rectangle

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



68.1347, 76.3357, 47.2196



59.1230, 76.3357, 66.7021



77.1620, 76.3357, 133.7297



87.8808, 76.3357, 102.0247

Sweetspot

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



68.1366, 76.3391, 47.2212



91.8382, 98.5561, 92.4775



53.5746, 47.0554, 42.8596



19.5360, 21.0402, 19.1758



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.



68.1366, 76.3391, 47.2212



83.6743, 94.7751, 51.0758



59.1677, 72.1274, 46.8810



15.5817, 16.7774, 15.3216



33.9553, 40.4847, 6.0247



2.5153, 3.0039, 0.4472

Inverse Universe

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



43.9682, 41.5129, 81.2968



48.5671, 44.1873, 100.5770



51.1960, 44.9696, 81.5831



13.6004, 13.9223, 18.1148



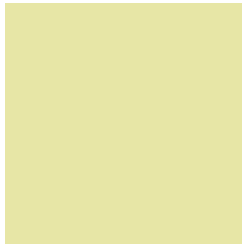
8.1158, 3.2937, 42.5912



0.6060, 0.2560, 3.1494

Previews

White Background



This preview shows how the XYZ color 68.1347, 76.3357, 47.2196 looks on a white background.

Color Contrast Check

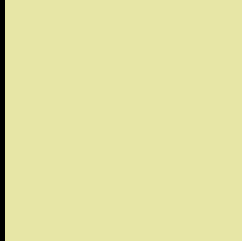
Large Text (above 18pt) WCAG AA × Fail

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 68.1347, 76.3357, 47.2196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

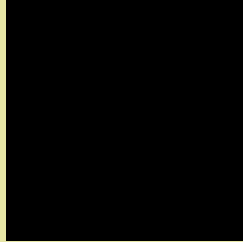
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1347, 76.3357, 47.2196

Background



This preview shows how black text looks on a background with the XYZ color 68.1347, 76.3357, 47.2196.



This preview shows how white text looks on a background with the XYZ color 68.1347, 76.3357,

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

68.1347, 76.3357, 47.2196

Protanopia

70.8593, 76.1277, 46.0814

Deuteranopia

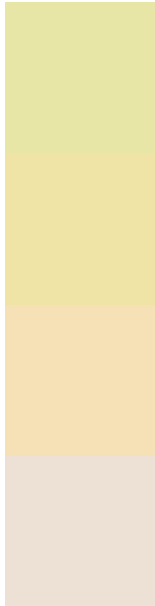
76.0185, 76.1205, 58.8302



Tritanopia

77.2242, 76.4112, 91.5676

Trichromacy



Original Color

68.1347, 76.3357, 47.2196

Protanomaly

69.8572, 76.0055, 46.5860

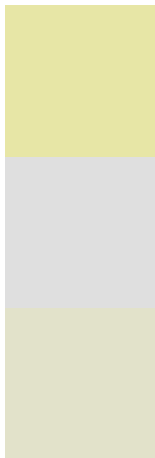
Deuteranomaly

73.0022, 76.2403, 54.5843

Tritanomaly

73.4644, 76.0693, 73.0982

Monochromacy



Original Color

68.1347, 76.3357, 47.2196

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.2211, 74.8257, 66.6716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1347, 76.3357, 47.2196 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, 230, 166)` looks like.

```
.text, #text, p{  
    color:rgb(231, 230, 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(231, 230, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 230, 166) }
```

Border

The CSS property to change the border of an element to XYZ 68.1347, 76.3357, 47.2196 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, 230, 166) }
```


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

```
.border{ border-color:rgb(231, 230, 166) }
```

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

Here you see how a box with a 4 pixel rgb(231, 230, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 230, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 230, 166);  
box-shadow:4px 4px 4px 4px rgb(231, 230,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1347, 76.3357, 47.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 230, 166) }
```

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

```
.background{ background-color: rgb(231,  
230, 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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