

Converting Colors

XYZ(67.4273, 76.4924, 38.9801)

Have a look what the booklet for
XYZ(67.4273, 76.4924, 38.9801)
contains.

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Color

**XYZ(67.4466, 76.5821,
38.8308)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E9E793 |
| RGB | 233, 231, 147 |
| RGB Percent | 91%, 91%, 58% |
| CMY | 0.0863, 0.0941, 0.4235 |
| CMYK | 0.00, 0.01, 0.37, 0.09 |
| HSL | 59°, 66%, 75% |
| HSV | 59°, 37%, 91% |
| XYZ | 67.4466, 76.5821, 38.8308 |
| YIQ | 222.0220, 28.1560, -25.7000 |

Conversions

Conversions Part 2

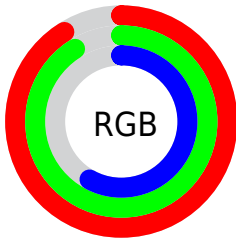
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 149, 233, 147 |
| Decimal | 15329171 |
| CIE _{Lab} | 90.13, -11.48, 41.15 |
| CIE _{LCh} | 90, 42.721, 105.584 |
| Yxy | 76.5821, 0.3688, 0.4188 |
| Android (android.graphics.Color) | 4293519251 (0xFFE9E793) |
| YUV | 222.0220, -36.9858, 9.6277 |
| Hunter-Lab | 87.5112, -15.5711, 34.9495 |

Details

The XYZ color **67.4466, 76.5821, 38.8308** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.4878, 33.5801, 81.5963**, and the grayscale version is **69.6875, 73.3166, 79.8418**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **35.4954, 41.1070, 16.8901** is the 20% darker color. If you saturate the color by 10%, you get **65.6502, 75.6247, 30.1072**, and if you desaturate by 10%, it is **69.6176, 77.6955, 49.5079**.

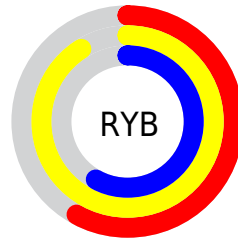
Distribution



Red (91%)

Green (91%)

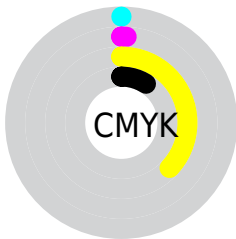
Blue (58%)



Red (58%)

Yellow (91%)

Blue (58%)

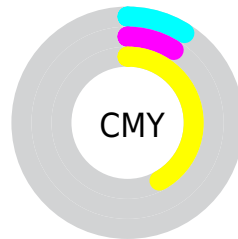


Cyan (0%)

Magenta (1%)

Yellow (37%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4466, 76.5821, 38.8308 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 67.4466, 76.5821, 38.8308 by changing the saturation by 10% instead.


 67.4466, 76.5821,
38.8308


 67.4466, 76.5821,
38.8308


440.9403,
483.3380, 356.5751

 49.7197, 56.9100,
26.3213


 114.6064,
128.5494, 74.5973

 35.4076, 40.9329,
16.8362


 144.7700,
161.6134, 98.6913

 24.1450, 28.2667,
9.9571


179.8098,
199.9100, 127.4839

 15.5665, 18.5268,
5.2653

220.0912,
243.8238, 161.3937

 9.3068, 11.3289,
2.3423

265.9797,
293.7391, 200.8392

 5.0006, 6.2885,
0.7548

317.8404,

 2.2824, 3.0213,

350.0403, 246.2389

0.0000

376.0388,
413.1118, 298.0113

■ 0.7856, 1.1429,
0.0000

■ 0.0000, 0.0143,
0.0000

■ 67.4466, 76.5821,
38.8308

■ 67.4466, 76.5821,
38.8308

■ 65.6502, 75.6247,
30.1072

■ 69.6176, 77.6955,
49.5079

■ 64.2002, 74.8040,
23.2139

■ 72.1781, 78.9627,
62.2423

■ 63.0736, 74.1133,
18.0212

■ 75.1492, 80.3949,
77.1361

■ 62.2421, 73.5414,
14.3802

■ 78.5486, 81.9991,
94.2833

■ 61.6726, 73.0751,
12.1166

■ 80.9936, 83.2224,
106.4024

■ 61.3226, 72.6973,
11.0068

■ 81.1473, 83.5299,
106.4537

■ 61.2373, 72.5898,
10.7837

■ 81.3015, 83.8383,
106.5051

■ 81.4562, 84.1477,
106.5567

■ 81.6114, 84.4580,
106.6084

Harmonies

Analogous

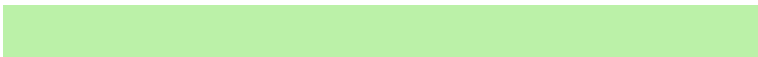
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9850, 76.5821, 38.6459



67.4466, 76.5821, 38.8308



59.1726, 76.5821, 48.8250

Triad

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



67.4466, 76.5821, 38.8308



59.4291, 76.5821, 132.4458



94.3804, 76.5821, 98.7867

Complementary

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



67.4466, 76.5821, 38.8308



37.4878, 33.5801, 81.5963

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.



88.3487, 76.5821, 131.3027



67.4466, 76.5821, 38.8308



67.8291, 76.5821, 153.7054

Square

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



67.4466, 76.5821, 38.8308



54.8596, 76.5821, 100.0802



78.4063, 76.5821, 153.2425



94.2525, 76.5821, 68.6579

Rectangle

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



67.4466, 76.5821, 38.8308



55.7539, 76.5821, 61.4979



78.4063, 76.5821, 153.2425



92.9823, 76.5821, 109.9316

Sweetspot

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



67.4485, 76.5856, 38.8324



90.6511, 97.9091, 86.7574



49.5328, 40.3896, 33.9843



19.2965, 20.9052, 18.0354



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.



67.4485, 76.5856, 38.8324



81.1187, 93.1089, 39.6036



56.3641, 71.7044, 38.4745



16.3203, 17.5635, 16.0487



34.7609, 41.2161, 6.1234



2.7391, 3.2555, 0.4840

Inverse Universe

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



37.4878, 33.5801, 81.5963



39.5299, 33.4153, 98.9741



45.6685, 37.3332, 81.8896



14.2592, 14.6048, 18.9897



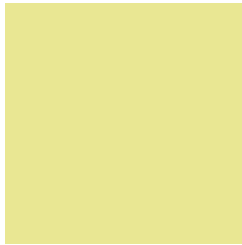
8.3912, 3.4294, 43.9626



0.6688, 0.2891, 3.4554

Previews

White Background



This preview shows how the XYZ color 67.4466, 76.5821, 38.8308 looks on a white background.

Color Contrast Check

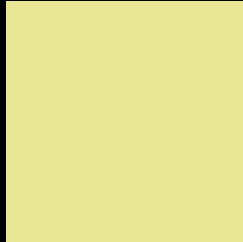
Large Text (above 18pt) WCAG AA × Fail

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 67.4466, 76.5821, 38.8308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

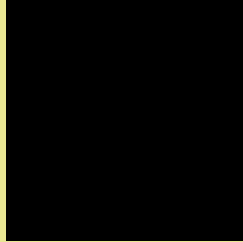
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4466, 76.5821, 38.8308

Background



This preview shows how black text looks on a background with the XYZ color 67.4466, 76.5821, 38.8308.

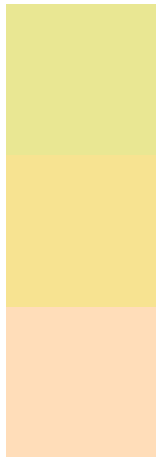


This preview shows how white text looks on a background with the XYZ color 67.4466, 76.5821,

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

67.4466, 76.5821, 38.8308

Protanopia

70.9377, 76.7567, 37.8648

Deuteranopia

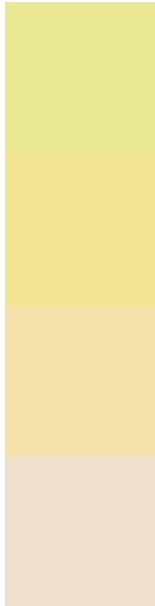
75.8534, 76.4757, 56.6623



Tritanopia

77.8414, 76.3555, 90.7562

Trichromacy



Original Color

67.4466, 76.5821, 38.8308

Protanomaly

69.5497, 76.4394, 38.2827

Deuteranomaly

72.6337, 76.5649, 49.4784

Tritanomaly

73.1513, 76.0217, 67.9449

Monochromacy



Original Color

67.4466, 76.5821, 38.8308

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.1396, 73.9593, 62.3140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4466, 76.5821, 38.8308 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(233, 231, 147)` looks like.

```
.text, #text, p{  
    color:rgb(233, 231, 147)  
}
```

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(233, 231, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 231, 147) }
```

Border

The CSS property to change the border of an element to XYZ 67.4466, 76.5821, 38.8308 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(233, 231, 147) }
```


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

```
.border{ border-color:rgb(233, 231, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 231, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 231, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 231, 147);  
box-shadow:4px 4px 4px 4px rgb(233, 231,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4466, 76.5821, 38.8308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 231, 147) }
```

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

```
.background{ background-color: rgb(233,  
231, 147) }
```

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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