

Converting Colors

XYZ(69.9565, 80.1925, 38.9770)

Have a look what the booklet for
XYZ(69.9565, 80.1925, 38.9770)
contains.

XYZ(69.7758, 79.8991, 38.9386)	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(69.7758, 79.8991,
38.9386)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEC92
RGB	236, 236, 146
RGB Percent	93%, 93%, 57%
CMY	0.0745, 0.0745, 0.4274
CMYK	0.00, 0.00, 0.38, 0.07
HSL	60°, 70%, 75%
HSV	60°, 38%, 93%
XYZ	69.7758, 79.8991, 38.9386
YIQ	225.7400, 28.8900, -27.9900

Conversions

Conversions Part 2

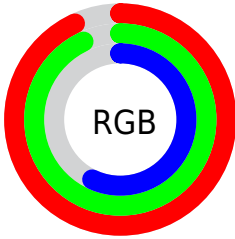
Format	Color
R _Y B	146, 236, 146
Decimal	15527058
CIE Lab	91.64, -12.91, 43.62
CIE LCh	92, 45.495, 106.489
Yxy	79.8991, 0.3699, 0.4236
Android (android.graphics.Color)	4293717138 (0xFFECEC92)
YUV	225.7400, -39.3118, 8.9980
Hunter-Lab	89.3863, -17.0872, 36.7424

Details

The XYZ color **69.7758, 79.8991, 38.9386** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.2762, 32.7269, 83.7139**, and the grayscale version is **72.3630, 76.1315, 82.9072**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **36.9320, 43.0344, 16.9496** is the 20% darker color. If you saturate the color by 10%, you get **68.1265, 79.2422, 30.2478**, and if you desaturate by 10%, it is **71.8080, 80.7149, 49.6285**.

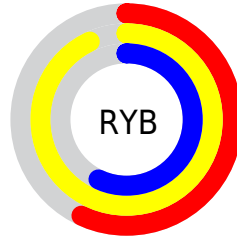
Distribution



Red (93%)

Green (93%)

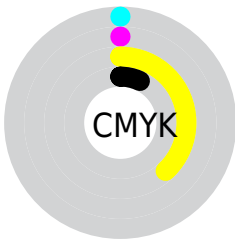
Blue (57%)



Red (57%)

Yellow (93%)

Blue (57%)

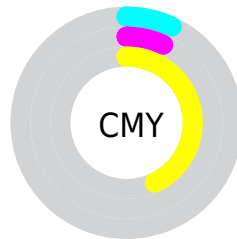


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7758, 79.8991, 38.9386 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 69.7758, 79.8991, 38.9386 by changing the saturation by 10% instead.

69.7758, 79.8991,
38.9386

69.7758, 79.8991,
38.9386

449.0411,
494.5927, 357.0475

51.6227, 59.6353,
26.4045

117.9170,
133.2239, 74.7638

36.9275, 43.1248,
16.8980

148.6358,
167.0536, 98.8920

25.3248, 29.9830,
10.0006

184.2739,
206.1742, 127.7220

16.4492, 19.8257,
5.2938

225.1966,
250.9700, 161.6723

9.9354, 12.2684,
2.3589

271.7694,
301.8253, 201.1615

5.4181, 6.9268,
0.7639

324.3575,

2.5319, 3.4163,

359.1246, 246.6080

0.0000

383.3263,
423.2523, 298.4305

■ 0.9114, 1.3528,
0.0000

■ 0.0000, 0.1815,
0.0000

■ 69.7758, 79.8991,
38.9386

■ 69.7758, 79.8991,
38.9386

■ 68.1265, 79.2422,
30.2478

■ 71.8080, 80.7149,
49.6285

■ 66.8308, 78.7238,
23.4275

■ 74.2388, 81.6873,
62.4258

■ 65.8645, 78.3372,
18.3419

■ 77.0899, 82.8278,
77.4366

■ 65.1979, 78.0705,
14.8346

■ 80.3799, 84.1438,
94.7588

64.7961, 77.9097,
12.7215

82.6420, 85.0488,
106.6681

64.6100, 77.8353,
11.7447

82.6426, 85.0490,
106.6681

64.5858, 77.8256,
11.6178

82.6432, 85.0493,
106.6681

82.6437, 85.0496,
106.6682

82.6443, 85.0499,
106.6682

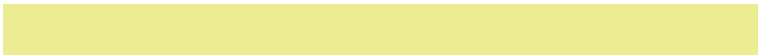
Harmonies

Analogous

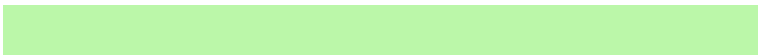
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2816, 79.8991, 38.4373



69.7758, 79.8991, 38.9386



60.8647, 79.8991, 49.9631

Triad

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



69.7758, 79.8991, 38.9386



61.5758, 79.8991, 142.1358



99.8002, 79.8991, 102.8169

Complementary

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



69.7758, 79.8991, 38.9386



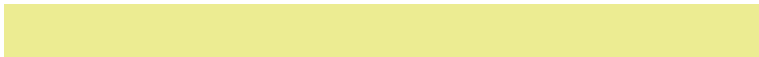
37.2762, 32.7269, 83.7139

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.



93.3231, 79.8991, 138.8995



69.7758, 79.8991, 38.9386



70.8410, 79.8991, 165.2122

Square

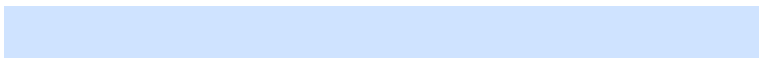
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7758, 79.8991, 38.9386



56.4715, 79.8991, 106.4487



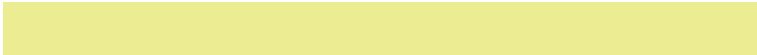
82.4605, 79.8991, 163.8960



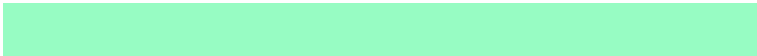
99.4402, 79.8991, 70.0714

Rectangle

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



69.7758, 79.8991, 38.9386



57.2431, 79.8991, 63.8879



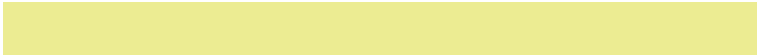
82.4605, 79.8991, 163.8960



98.3242, 79.8991, 115.0973

Sweetspot

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



69.7778, 79.9027, 38.9403



90.8575, 98.3229, 86.8264



50.0619, 40.4679, 32.3677



19.3461, 21.0047, 18.0519



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.



69.7778, 79.9027, 38.9403



81.5627, 94.6047, 37.8928



56.6727, 73.1468, 38.3270



16.3519, 17.6270, 16.0592



35.5988, 42.8963, 6.4036



2.7954, 3.3684, 0.5028

Inverse Universe

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



37.2762, 32.7269, 83.7139



37.5285, 30.6894, 98.5534



46.9075, 37.6920, 84.1646



14.2314, 14.5490, 18.9804



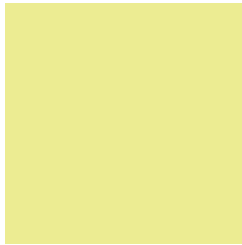
8.3458, 3.3383, 43.9475



0.6554, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 69.7758, 79.8991, 38.9386 looks on a white background.

Color Contrast Check

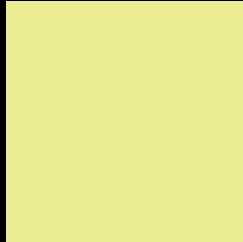
Large Text (above 18pt) WCAG AA × Fail

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 69.7758, 79.8991, 38.9386 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 69.7758, 79.8991, 38.9386

Background



This preview shows how black text looks on a background with the XYZ color 69.7758, 79.8991, 38.9386.

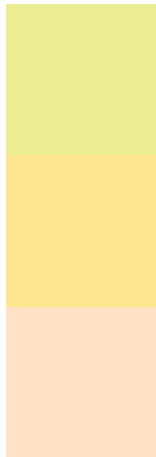


This preview shows how white text looks on a background with the XYZ color 69.7758, 79.8991,

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

69.7758, 79.8991, 38.9386

Protanopia

73.7548, 79.8609, 37.9130

Deuteranopia

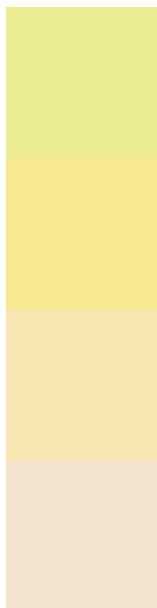
78.4002, 79.6382, 63.4641



Tritanopia

81.0404, 79.4963, 95.0774

Trichromacy



Original Color

69.7758, 79.8991, 38.9386

Protanomaly

72.2558, 79.9150, 38.4049

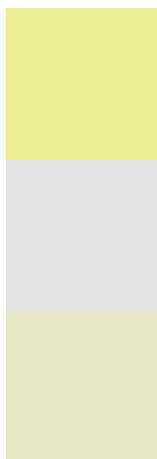
Deuteranomaly

75.0441, 79.7644, 53.5603

Tritanomaly

75.9680, 79.0465, 70.2850

Monochromacy



Original Color

69.7758, 79.8991, 38.9386

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0080, 77.4478, 64.0297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7758, 79.8991, 38.9386 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(236, 236, 146)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 146)  
}
```

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(236, 236, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 146) }
```

Border

The CSS property to change the border of an element to XYZ 69.7758, 79.8991, 38.9386 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(236, 236, 146) }
```


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

```
.border{ border-color:rgb(236, 236, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 236, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 236, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 236, 146); box-shadow:4px 4px 4px 4px rgb(236, 236, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7758, 79.8991, 38.9386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 146) }
```

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

```
.background{ background-color: rgb(236,  
236, 146) }
```

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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