

Converting Colors

XYZ(68.7348, 79.1981, 36.0282)

Have a look what the booklet for
XYZ(68.7348, 79.1981, 36.0282)
contains.

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Color

**XYZ(68.6295, 78.9429,
36.0464)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEB8B
RGB	235, 235, 139
RGB Percent	92%, 92%, 55%
CMY	0.0784, 0.0784, 0.4549
CMYK	0.00, 0.00, 0.41, 0.08
HSL	60°, 71%, 73%
HSV	60°, 41%, 92%
XYZ	68.6295, 78.9429, 36.0464
YIQ	224.0560, 30.8160, -29.8560

Conversions

Conversions Part 2

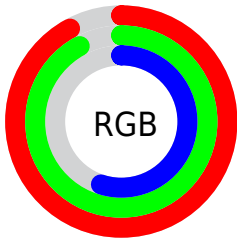
Format	Color
R_{YB}	139, 235, 139
Decimal	15461259
CIE _{Lab}	91.21, -13.54, 46.49
CIE _{LCh}	91, 48.418, 106.237
Yxy	78.9429, 0.3738, 0.4299
Android (android.graphics.Color)	4293651339 (0xFFEBEB8B)
YUV	224.0560, -41.9326, 9.5979
Hunter-Lab	88.8498, -17.6100, 38.1409

Details

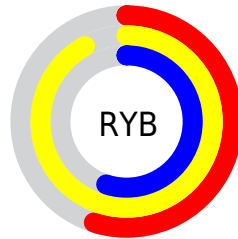
The XYZ color **68.6295, 78.9429, 36.0464** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.8782, 29.9542, 82.5454**, and the grayscale version is **71.1682, 74.8745, 81.5383**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **36.2005, 42.3933, 15.2916** is the 20% darker color. If you saturate the color by 10%, you get **67.0940, 78.3315, 27.9548**, and if you desaturate by 10%, it is **70.5380, 79.7092, 46.0851**.

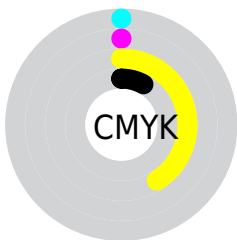
Distribution



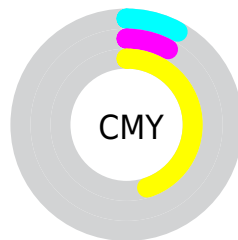
- Red (92%)
- Green (92%)
- Blue (55%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (41%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6295, 78.9429, 36.0464 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 68.6295, 78.9429, 36.0464 by changing the saturation by 10% instead.

68.6295, 78.9429,
36.0464

68.6295, 78.9429,
36.0464

445.0650,
491.3632, 344.2068

50.6856, 58.8489,
24.1801

116.2892,
131.8785, 70.2735

36.1785, 42.4915,
15.2538

146.7357,
165.4888, 93.4714

24.7428, 29.4863,
8.8491

182.0804,
204.3733, 121.2835

16.0132, 19.4490,
4.5474

222.6887,
248.9165, 154.1284

9.6244, 11.9952,
1.9302

268.9260,
299.5027, 192.4247

5.2110, 6.7404,
0.5119

321.1575,

2.4076, 3.3003,

356.5162, 236.5908

0.0000

379.7488,
420.3416, 287.0453

■ 0.8489, 1.2904,
0.0000

■ 0.0000, 0.1338,
0.0000

■ 68.6295, 78.9429,
36.0464

■ 68.6295, 78.9429,
36.0464

■ 67.0940, 78.3315,
27.9548

■ 70.5380, 79.7092,
46.0851

■ 65.9019, 77.8546,
21.6796


■ 72.8354, 80.6282,
58.1805


■ 65.0283, 77.5051,
17.0819


■ 75.5437, 81.7116,
72.4399


■ 64.4427, 77.2708,
14.0009


■ 78.6817, 82.9668,
88.9618


 64.1086, 77.1371,
12.2441


 82.0235, 84.3036,
106.5569

 63.9681, 77.0808,
11.5066

 82.0240, 84.3039,
106.5569

 82.0245, 84.3041,
106.5569

 82.0250, 84.3044,
106.5569

 82.0255, 84.3046,
106.5570

Harmonies

Analogous

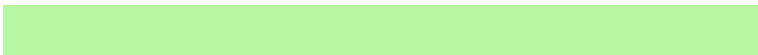
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7848, 78.9429, 35.6251



68.6295, 78.9429, 36.0464



59.2560, 78.9429, 47.1891

Triad

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



68.6295, 78.9429, 36.0464



59.8734, 78.9429, 144.5477



100.3510, 78.9429, 103.0470

Complementary

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



68.6295, 78.9429, 36.0464



34.8782, 29.9542, 82.5454

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.



93.3876, 78.9429, 141.6508



68.6295, 78.9429, 36.0464



69.5606, 78.9429, 169.6687

Square

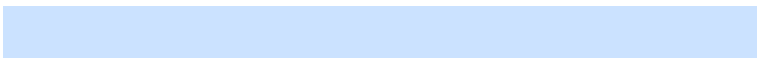
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6295, 78.9429, 36.0464



54.5902, 78.9429, 106.2591



81.8226, 78.9429, 168.4836



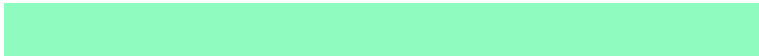
100.0314, 78.9429, 68.4183

Rectangle

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



68.6295, 78.9429, 36.0464



55.4511, 78.9429, 61.5095



81.8226, 78.9429, 168.4836



98.7544, 78.9429, 116.1469

Sweetspot

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



68.6314, 78.9465, 36.0480



90.5082, 98.1832, 84.9867



48.1564, 37.9934, 29.2224



19.2764, 20.9768, 17.6851



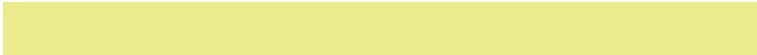
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6314, 78.9465, 36.0480



81.0297, 94.3915, 35.0854



54.8651, 71.8497, 35.4038



16.3519, 17.6270, 16.0592



35.5991, 42.8965, 6.4036



2.7954, 3.3684, 0.5028

Inverse Universe

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



34.8782, 29.9542, 82.5454



35.2541, 27.9490, 98.1443



44.7239, 35.0299, 83.0061



14.2314, 14.5490, 18.9804



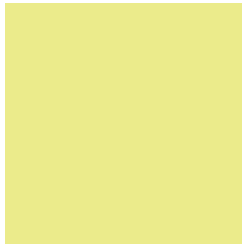
8.3458, 3.3383, 43.9475



0.6554, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 68.6295, 78.9429, 36.0464 looks on a white background.

Color Contrast Check

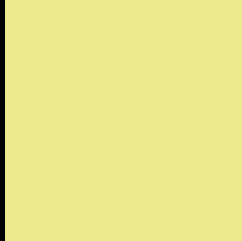
Large Text (above 18pt) WCAG AA × Fail

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 68.6295, 78.9429, 36.0464 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 68.6295, 78.9429, 36.0464

Background



This preview shows how black text looks on a background with the XYZ color 68.6295, 78.9429, 36.0464.

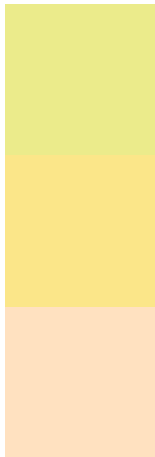


This preview shows how white text looks on a background with the XYZ color 68.6295, 78.9429,

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

68.6295, 78.9429, 36.0464

Protanopia

72.5958, 78.9090, 35.0717

Deuteranopia

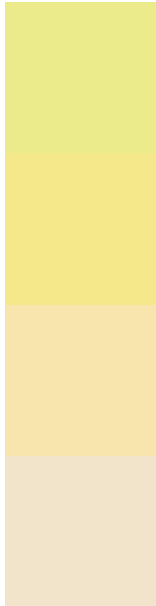
77.6796, 78.9162, 61.0074



Tritanopia

80.1219, 78.6595, 93.3980

Trichromacy



Original Color

68.6295, 78.9429, 36.0464

Protanomaly

71.1002, 78.9607, 35.5383

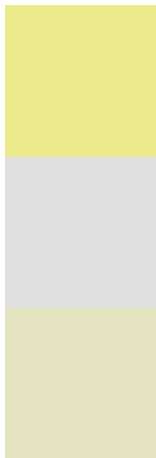
Deuteranomaly

74.2735, 79.0122, 50.8714

Tritanomaly

74.8665, 78.1272, 67.6341

Monochromacy



Original Color

68.6295, 78.9429, 36.0464

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3639, 75.8310, 61.4331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6295, 78.9429, 36.0464 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, 235, 139)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 139)  
}
```

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, 235, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 139) }
```

Border

The CSS property to change the border of an element to XYZ 68.6295, 78.9429, 36.0464 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, 235, 139) }
```


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

```
.border{ border-color:rgb(235, 235, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 139);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6295, 78.9429, 36.0464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 139) }
```

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

```
.background{ background-color: rgb(235,  
235, 139) }
```

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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