

Converting Colors

XYZ(68.7269, 79.5204, 30.3424)

Have a look what the booklet for
XYZ(68.7269, 79.5204, 30.3424)
contains.

XYZ(68.8305, 79.5981, 30.4751)	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(68.8305, 79.5981,
30.4751)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEC7B
RGB	238, 236, 123
RGB Percent	93%, 93%, 48%
CMY	0.0667, 0.0745, 0.5176
CMYK	0.00, 0.01, 0.48, 0.07
HSL	59°, 77%, 71%
HSV	59°, 48%, 93%
XYZ	68.8305, 79.5981, 30.4751
YIQ	223.7160, 37.4650, -34.7190

Conversions

Conversions Part 2

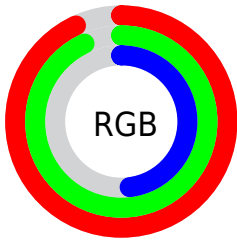
Format	Color
R_{YB}	125, 238, 123
Decimal	15658107
CIE _{Lab}	91.50, -14.38, 54.53
CIE _{LCh}	92, 56.390, 104.770
Yxy	79.5981, 0.3847, 0.4449
Android (android.graphics.Color)	4293848187 (0xFFEEEC7B)
YUV	223.7160, -49.6530, 12.5271
Hunter-Lab	89.2178, -18.4204, 42.2001

Details

The XYZ color **68.8305, 79.5981, 30.4751** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.9346, 25.0506, 84.0935**, and the grayscale version is **70.9750, 74.6712, 81.3170**.

A 20% lighter version of the original color is **85.0359, 95.9944, 56.1664**, and **36.2491, 42.7880, 12.1427** is the 20% darker color. If you saturate the color by 10%, you get **67.4003, 78.8391, 23.5205**, and if you desaturate by 10%, it is **70.6270, 80.5099, 39.3404**.

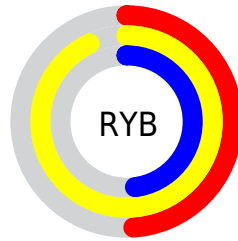
Distribution



Red (93%)

Green (93%)

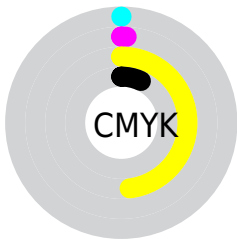
Blue (48%)



Red (49%)

Yellow (93%)

Blue (48%)

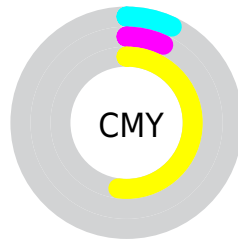


Cyan (0%)

Magenta (1%)

Yellow (48%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8305, 79.5981, 30.4751 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 68.8305, 79.5981, 30.4751 by changing the saturation by 10% instead.

68.8305, 79.5981,
30.4751

68.8305, 79.5981,
30.4751

445.7637,
493.5774, 318.3887

50.8498, 59.3877,
19.9444

116.5748,
132.8005, 61.4826

36.3097, 42.9253,
12.1709

147.0692,
166.5613, 82.7964

24.8447, 29.8265,
6.7363

182.4655,
205.6077, 108.5417

16.0895, 19.7069,
3.2218

223.1291,
250.3241, 139.1370

9.6787, 12.1822,
1.2090

269.4254,
301.0949, 175.0008

5.2471, 6.8679,
0.0000

321.7197,

2.4292, 3.3796,

358.3044, 216.5516

0.0000

380.3773,
422.3371, 264.2081

■ 0.8597, 1.3330,
0.0000

■ 0.0000, 0.1665,
0.0000

■ 68.8305, 79.5981,
30.4751

■ 68.8305, 79.5981,
30.4751

■ 67.4003, 78.8391,
23.5205

■ 70.6270, 80.5099,
39.3404

■ 66.3039, 78.2111,
18.3309


■ 72.8081, 81.5731,
50.2378


■ 65.5128, 77.7057,
14.7480


■ 75.3976, 82.8000,
63.2847


■ 64.9913, 77.3086,
12.5829


■ 78.4159, 84.1990,
78.5881


 64.6885, 76.9993,
11.5679


 81.8819, 85.7774,
96.2478

 64.6468, 76.9510,
11.4458

 84.0248, 86.8270,
106.9385

 84.1454, 87.0682,
106.9786

 84.2662, 87.3099,
107.0189

 84.3873, 87.5522,
107.0593

Harmonies

Analogous

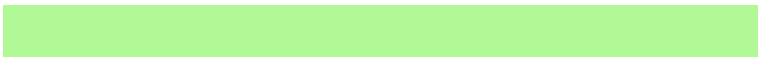
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1459, 79.5981, 30.5572



68.8305, 79.5981, 30.4751



57.8233, 79.5981, 41.7668

Triad

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



68.8305, 79.5981, 30.4751



57.6921, 79.5981, 155.1655



105.5574, 79.5981, 109.1541

Complementary

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



68.8305, 79.5981, 30.4751



30.9346, 25.0506, 84.0935

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.



96.8221, 79.5981, 155.8298



68.8305, 79.5981, 30.4751



68.6292, 79.5981, 187.5896

Square

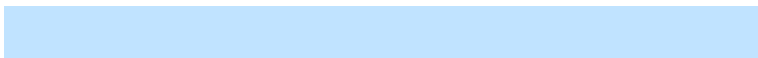
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8305, 79.5981, 30.4751



51.9675, 79.5981, 108.4390



82.9176, 79.5981, 187.8653



105.6292, 79.5981, 68.0267

Rectangle

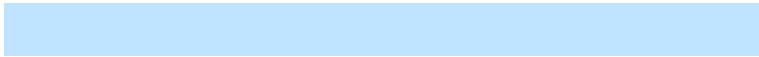
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8305, 79.5981, 30.4751



53.3199, 79.5981, 57.1343



82.9176, 79.5981, 187.8653



103.4923, 79.5981, 124.9485

Sweetspot

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



68.8324, 79.6018, 30.4767



89.6286, 97.5161, 81.3236



46.1633, 33.8718, 24.1277



19.0249, 20.7983, 16.5998



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.



68.8324, 79.6018, 30.4767



78.8467, 92.2187, 27.5819



53.9972, 72.8108, 29.9479



17.0981, 18.4092, 16.8019



36.0771, 42.9523, 6.3892



3.0087, 3.5881, 0.5340

Inverse Universe

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



30.9346, 25.0506, 84.0935



29.6652, 21.4315, 97.1809



40.5719, 29.6479, 84.4730



14.9192, 15.2726, 19.8832



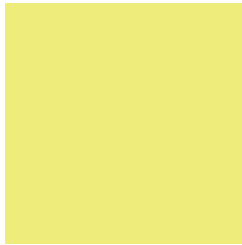
8.6444, 3.5130, 45.3503



0.7268, 0.3076, 3.7753

Previews

White Background



This preview shows how the XYZ color 68.8305, 79.5981, 30.4751 looks on a white background.

Color Contrast Check

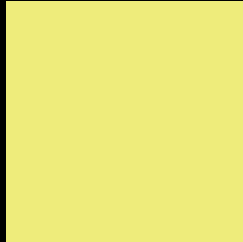
Large Text (above 18pt) WCAG AA × Fail

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 68.8305, 79.5981, 30.4751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

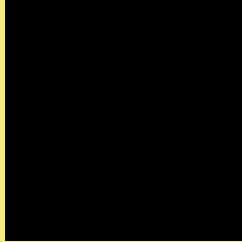
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8305, 79.5981, 30.4751

Background



This preview shows how black text looks on a background with the XYZ color 68.8305, 79.5981, 30.4751.



This preview shows how white text looks on a background with the XYZ color 68.8305, 79.5981,

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

68.8305, 79.5981, 30.4751

Protanopia

72.9002, 79.6031, 29.6119

Deuteranopia

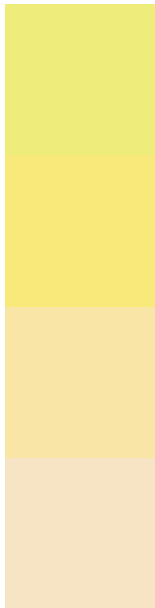
77.9508, 79.4585, 61.0977



Tritanopia

81.5402, 79.3906, 93.4644

Trichromacy



Original Color

68.8305, 79.5981, 30.4751

Protanomaly

71.3632, 79.6394, 30.0231

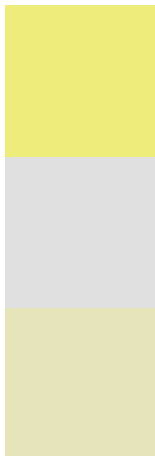
Deuteranomaly

74.3388, 79.5234, 47.9907

Tritanomaly

75.8275, 79.1109, 64.0967

Monochromacy



Original Color

68.8305, 79.5981, 30.4751

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.0261, 75.7327, 57.9935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8305, 79.5981, 30.4751 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(238, 236, 123)` looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 123)  
}
```

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(238, 236, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 123) }
```

Border

The CSS property to change the border of an element to XYZ 68.8305, 79.5981, 30.4751 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(238, 236, 123) }
```


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

```
.border{ border-color:rgb(238, 236, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 236, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 123);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8305, 79.5981, 30.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 123) }
```

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

```
.background{ background-color: rgb(238,  
236, 123) }
```

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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