

Converting Colors

XYZ(73.6833, 85.2715, 49.8004)

Have a look what the booklet for
XYZ(73.6833, 85.2715, 49.8004)
contains.

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Color

**XYZ(73.6795, 85.1907,
49.6059)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF4A8
RGB	235, 244, 168
RGB Percent	92%, 96%, 66%
CMY	0.0784, 0.0431, 0.3412
CMYK	0.04, 0.00, 0.31, 0.04
HSL	67°, 78%, 81%
HSV	67°, 31%, 96%
XYZ	73.6795, 85.1907, 49.6059
YIQ	232.6450, 19.0320, -25.5440

Conversions

Conversions Part 2

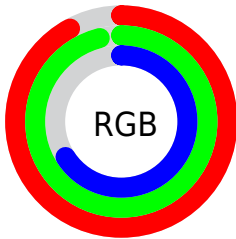
Format	Color
RYB	168, 244, 177
Decimal	15463592
CIELab	93.97, -14.68, 35.70
CIELCh	94, 38.601, 112.349
Yxy	85.1907, 0.3534, 0.4086
Android (android.graphics.Color)	4293653672 (0xFFEBF4A8)
YUV	232.6450, -31.8700, 2.0653
Hunter-Lab	92.2988, -19.0315, 32.7438

Details

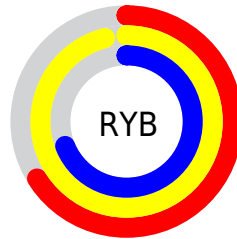
The XYZ color **73.6795, 85.1907, 49.6059** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.4665, 43.8863, 91.5093**, and the grayscale version is **77.4090, 81.4403, 88.6885**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **39.4378, 46.6692, 23.1491** is the 20% darker color. If you saturate the color by 10%, you get **70.6703, 83.8806, 38.6921**, and if you desaturate by 10%, it is **77.1352, 86.6871, 62.7704**.

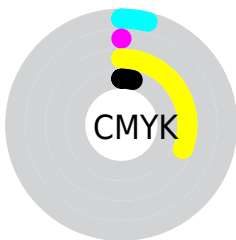
Distribution



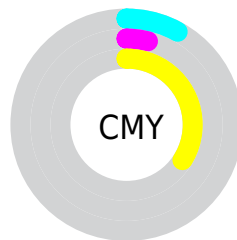
- Red (92%)
- Green (96%)
- Blue (66%)



- Red (66%)
- Yellow (96%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (8%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.6795, 85.1907, 49.6059 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 73.6795, 85.1907, 49.6059 by changing the saturation by 10% instead.


 73.6795, 85.1907,
49.6059

 73.6795, 85.1907,
49.6059


462.4339,
512.2589, 401.8136

 54.8221, 63.9990,
34.7314


 123.4393,
140.6396, 90.9810

 39.4926, 46.6498,
23.1741


155.0725,
175.6655, 118.3186

 27.3256, 32.7589,
14.5156


191.6949,
216.0716, 150.6477

 17.9558, 21.9418,
8.3373

233.6720,
262.2423, 188.3867

 11.0177, 13.8142,
4.2207

281.3690,
314.5620, 231.9543

 6.1461, 7.9915,
1.7472

335.1515,

 2.9756, 4.0895,

373.4151, 281.7689

0.3928

395.3847,
439.1859, 338.2492

■ 1.1409, 1.7238,
0.0000

■ 0.0589, 0.4390,
0.0000

■ 73.6795, 85.1907,
49.6059

■ 73.6795, 85.1907,
49.6059

■ 70.6703, 83.8806,
38.6921

■ 77.1352, 86.6871,
62.7704

■ 68.0770, 82.7356,
29.8977

■ 81.0529, 88.3672,
78.2964

■ 65.8755, 81.7492,
23.0862

■ 85.4555, 90.2430,
96.2938

■ 64.0363, 80.9095,
18.1028

■ 88.6072, 91.6203,
107.6221

■ 62.5257, 80.2029,
14.7700

■ 89.6325, 92.1488,
107.6701

■ 61.3031, 79.6133,
12.8748

■ 90.6736, 92.6856,
107.7188

■ 60.4042, 79.1662,
12.0970

■ 91.6425, 93.1851,
107.7642

Harmonies

Analogous

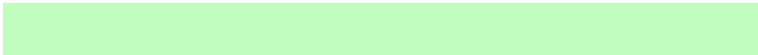
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6337, 85.1907, 47.1752



73.6795, 85.1907, 49.6059



66.2967, 85.1907, 62.2757

Triad

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



73.6795, 85.1907, 49.6059



69.4782, 85.1907, 145.2344



102.2027, 85.1907, 100.5076

Complementary

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



73.6795, 85.1907, 49.6059



48.4665, 43.8863, 91.5093

Split Complementary

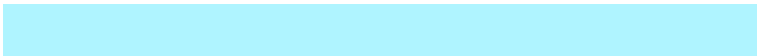
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6656, 85.1907, 131.8490



73.6795, 85.1907, 49.6059



78.3658, 85.1907, 161.0021

Square

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



73.6795, 85.1907, 49.6059



64.0181, 85.1907, 116.0122



88.7288, 85.1907, 155.6447



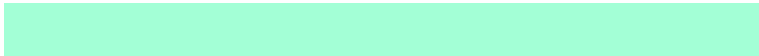
100.6805, 85.1907, 72.8398

Rectangle

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



73.6795, 85.1907, 49.6059



63.5451, 85.1907, 76.6178



88.7288, 85.1907, 155.6447



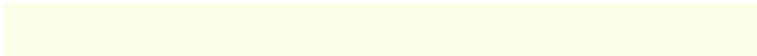
101.3232, 85.1907, 111.0197

Sweetspot

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



73.6817, 85.1945, 49.6077



90.5792, 98.0969, 90.5417



60.0748, 53.4542, 44.1984



19.2419, 20.9345, 18.7900



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

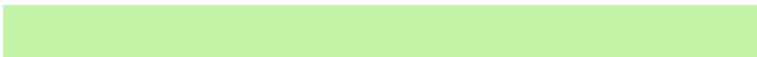
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6817, 85.1945, 49.6077



79.4080, 93.2818, 47.3766



62.4825, 79.4212, 49.0836



17.7100, 19.2081, 17.5717



32.9194, 43.0834, 6.5809



2.9468, 3.8142, 0.5809

Inverse Universe

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



48.4665, 43.8863, 91.5093



47.7097, 41.3390, 100.0724



58.3197, 48.9658, 91.9704



15.7635, 16.0207, 20.8041



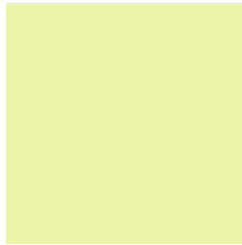
9.2110, 3.7228, 46.7711



0.8674, 0.3570, 4.1134

Previews

White Background



This preview shows how the XYZ color 73.6795, 85.1907, 49.6059 looks on a white background.

Color Contrast Check

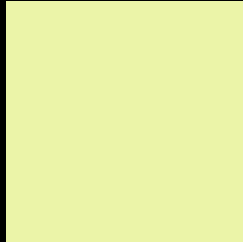
Large Text (above 18pt) WCAG AA × Fail

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 73.6795, 85.1907, 49.6059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

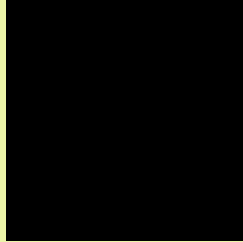
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.6795, 85.1907, 49.6059

Background



This preview shows how black text looks on a background with the XYZ color 73.6795, 85.1907, 49.6059.

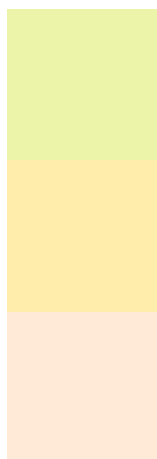


This preview shows how white text looks on a background with the XYZ color 73.6795, 85.1907,

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

73.6795, 85.1907, 49.6059

Protanopia

78.9706, 84.8069, 51.2369

Deuteranopia

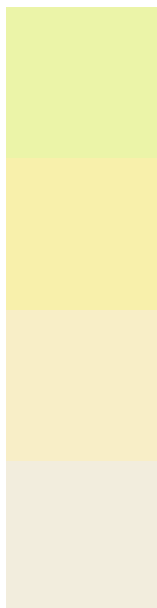
83.0575, 85.0635, 77.0070



Tritanopia

84.7156, 84.8989, 104.0176

Trichromacy



Original Color

73.6795, 85.1907, 49.6059

Protanomaly

77.2222, 85.2169, 50.9065

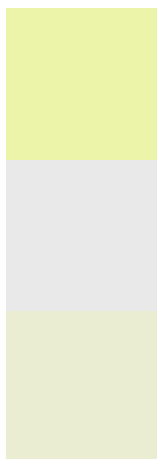
Deuteranomaly

79.5947, 85.2291, 66.2886

Tritanomaly

79.9533, 84.6661, 80.5348

Monochromacy



Original Color

73.6795, 85.1907, 49.6059

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.7245, 82.6642, 72.2863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6795, 85.1907, 49.6059 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, 244, 168)` looks like.

```
.text, #text, p{  
    color:rgb(235, 244, 168)  
}
```

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, 244, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 244, 168) }
```

Border

The CSS property to change the border of an element to XYZ 73.6795, 85.1907, 49.6059 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, 244, 168) }
```


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

```
.border{ border-color:rgb(235, 244, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 244, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 244, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 244, 168);  
box-shadow:4px 4px 4px 4px rgb(235, 244,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6795, 85.1907, 49.6059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 244, 168) }
```

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

```
.background{ background-color: rgb(235,  
244, 168) }
```

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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