

Converting Colors

XYZ(73.5245, 83.8752, 45.1161)

Have a look what the booklet for
XYZ(73.5245, 83.8752, 45.1161)
contains.

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Color

**XYZ(73.6485, 83.9391,
45.1211)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F19F
RGB	240, 241, 159
RGB Percent	94%, 95%, 62%
CMY	0.0588, 0.0549, 0.3765
CMYK	0.00, 0.00, 0.34, 0.05
HSL	61°, 75%, 78%
HSV	61°, 34%, 95%
XYZ	73.6485, 83.9391, 45.1211
YIQ	231.3530, 25.7260, -25.7140

Conversions

Conversions Part 2

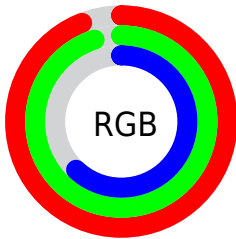
Format	Color
R_{YB}	159, 241, 160
Decimal	15790495
CIE _{Lab}	93.42, -12.41, 39.55
CIE _{LCh}	93, 41.454, 107.419
Yxy	83.9391, 0.3633, 0.4141
Android (android.graphics.Color)	4293980575 (0xFFFF0F19F)
YUV	231.3530, -35.6700, 7.5834
Hunter-Lab	91.6183, -16.8425, 34.9331

Details

The XYZ color **73.6485, 83.9391, 45.1211** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.7757, 38.6229, 88.4245**, and the grayscale version is **76.4646, 80.4467, 87.6065**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **39.4789, 45.8058, 20.3963** is the 20% darker color. If you saturate the color by 10%, you get **71.6583, 83.1344, 35.1552**, and if you desaturate by 10%, it is **76.0508, 84.9146, 57.2379**.

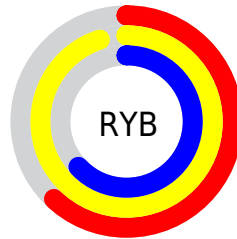
Distribution



Red (94%)

Green (95%)

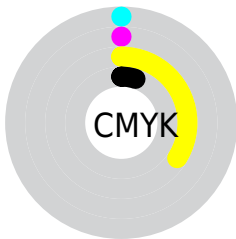
Blue (62%)



Red (62%)

Yellow (95%)

Blue (63%)

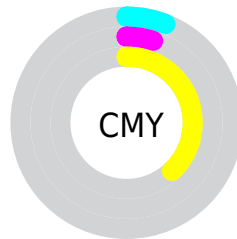


Cyan (0%)

Magenta (0%)

Yellow (34%)

Black (5%)



Cyan (6%)

Magenta (5%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6485, 83.9391, 45.1211 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 73.6485, 83.9391, 45.1211 by changing the saturation by 10% instead.

73.6485, 83.9391,
45.1211

73.6485, 83.9391,
45.1211

462.3284,
508.1110, 383.4382

54.7967, 62.9652,
31.2092

123.3956,
138.8900, 84.2225

39.4721, 45.8130,
20.4984

155.0215,
173.6357, 110.2490

27.3096, 32.0983,
12.5702

191.6362,
213.7408, 141.1508

17.9437, 21.4366,
7.0060

233.6050,
259.5897, 177.3465

11.0090, 13.4435,
3.3874

281.2933,
311.5668, 219.2545

6.1402, 7.7347,
1.2957

335.0664,

2.9720, 3.9256,

370.0564, 267.2935

0.0582

395.2896,
435.4430, 321.8818

■ 1.1390, 1.6320,
0.0000

■ 0.0573, 0.3791,
0.0000

■ 73.6485, 83.9391,
45.1211

■ 73.6485, 83.9391,
45.1211

■ 71.6583, 83.1344,
35.1552

■ 76.0508, 84.9146,
57.2379

■ 70.0502, 82.4796,
27.2097


■ 78.8809, 86.0583,
71.6157

■ 68.8000, 81.9679,
21.1481


■ 82.1612, 87.3820,
88.3630

■ 67.8781, 81.5877,
16.8147

■ 85.8453, 88.8673,
107.2363


 67.2504, 81.3250,
14.0291


 85.9464, 88.9195,
107.2411


 66.8749, 81.1634,
12.5712

 86.0477, 88.9717,
107.2458

 66.7335, 81.1000,
12.1366

 86.1492, 89.0240,
107.2505

 86.2508, 89.0764,
107.2553

 86.3526, 89.1289,
107.2601

Harmonies

Analogous

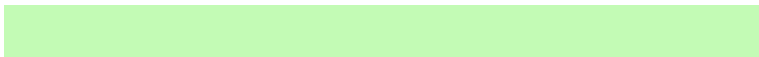
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4520, 83.9391, 44.3039



73.6485, 83.9391, 45.1211



65.2729, 83.9391, 56.3910

Triad

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



73.6485, 83.9391, 45.1211



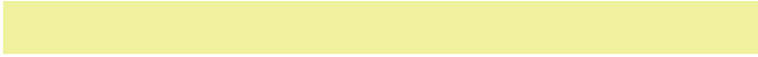
66.3774, 83.9391, 143.3203



102.1243, 83.9391, 105.1565

Complementary

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



73.6485, 83.9391, 45.1211



42.7757, 38.6229, 88.4245

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.



96.2951, 83.9391, 138.5213



73.6485, 83.9391, 45.1211



75.2866, 83.9391, 163.7064

Square

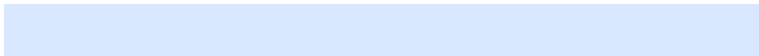
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6485, 83.9391, 45.1211



61.3461, 83.9391, 110.6428



86.2461, 83.9391, 161.7728



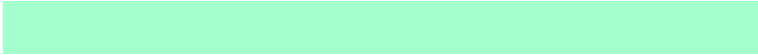
101.5835, 83.9391, 74.5206

Rectangle

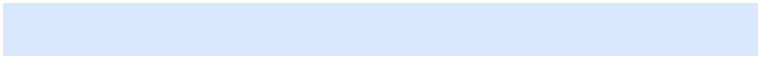
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6485, 83.9391, 45.1211



61.8916, 83.9391, 70.1583



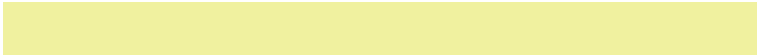
86.2461, 83.9391, 161.7728



100.8241, 83.9391, 116.5363

Sweetspot

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



73.6506, 83.9429, 45.1229



91.0978, 98.4058, 88.6882



54.9346, 46.0023, 38.7860



19.3889, 21.0186, 18.4228



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

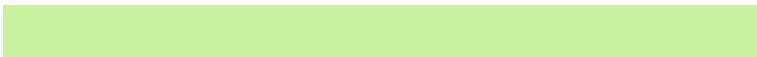
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6506, 83.9429, 45.1229



82.0709, 94.7540, 43.0083



61.5360, 77.6976, 44.5559



17.1026, 18.4486, 16.8092



36.1951, 43.9808, 6.5815



3.0172, 3.6619, 0.5478

Inverse Universe

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



42.7757, 38.6229, 88.4245



41.9272, 35.8262, 99.3131



52.0973, 43.4284, 88.8607



14.9152, 15.2380, 19.8767



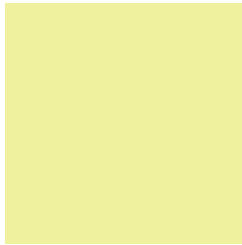
8.6380, 3.4585, 45.3401



0.7249, 0.2909, 3.7722

Previews

White Background



This preview shows how the XYZ color 73.6485, 83.9391, 45.1211 looks on a white background.

Color Contrast Check

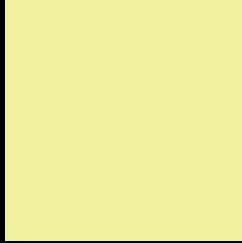
Large Text (above 18pt) WCAG AA × Fail

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 73.6485, 83.9391, 45.1211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

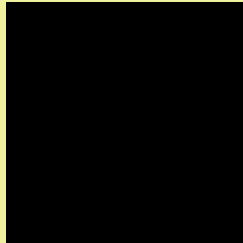
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.6485, 83.9391, 45.1211

Background



This preview shows how black text looks on a background with the XYZ color 73.6485, 83.9391, 45.1211.

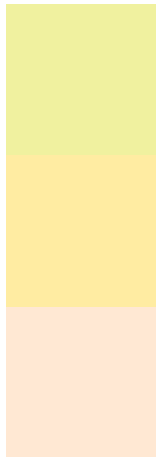


This preview shows how white text looks on a background with the XYZ color 73.6485, 83.9391,

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

73.6485, 83.9391, 45.1211

Protanopia

77.7570, 83.8595, 46.2707

Deuteranopia

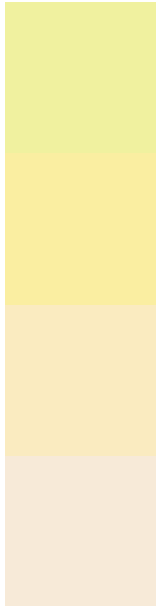
81.8545, 83.6764, 73.4650



Tritanopia

85.0238, 83.8802, 100.5162

Trichromacy



Original Color

73.6485, 83.9391, 45.1211

Protanomaly

76.4319, 84.0463, 45.9124

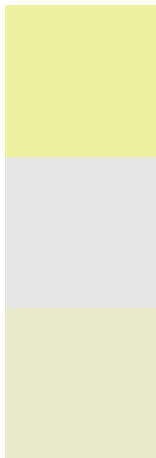
Deuteranomaly

78.6471, 83.5464, 61.8501

Tritanomaly

80.1753, 83.5777, 76.8722

Monochromacy



Original Color

73.6485, 83.9391, 45.1211

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.6595, 81.3169, 69.5184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6485, 83.9391, 45.1211 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(240, 241, 159)` looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 159)  
}
```

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(240, 241, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 159) }
```

Border

The CSS property to change the border of an element to XYZ 73.6485, 83.9391, 45.1211 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(240, 241, 159) }
```


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

```
.border{ border-color:rgb(240, 241, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 241, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 159);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6485, 83.9391, 45.1211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 159) }
```

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

```
.background{ background-color: rgb(240,  
241, 159) }
```

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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