

Converting Colors

XYZ(107.4086, 100.0000,
46.5202)

Have a look what the booklet for
XYZ(107.4086, 100.0000, 46.5202)
contains.

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Color

**XYZ(78.0725, 84.9123,
45.0757)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE9F
RGB	255, 238, 159
RGB Percent	100%, 93%, 62%
CMY	0.0000, 0.0666, 0.3765
CMYK	0.00, 0.07, 0.38, 0.00
HSL	49°, 100%, 81%
HSV	49°, 38%, 100%
XYZ	78.0725, 84.9123, 45.0757
YIQ	234.0770, 35.4910, -20.9650

Conversions

Conversions Part 2

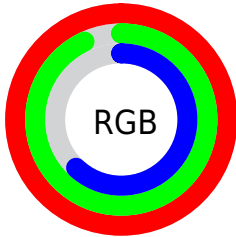
Format	Color
R _Y B	180, 255, 159
Decimal	16772767
CIE Lab	93.85, -5.21, 40.33
CIE LCh	94, 40.665, 97.358
Yxy	84.9123, 0.3752, 0.4081
Android (android.graphics.Color)	4294962847 (0xFFFFEE9F)
YUV	234.0770, -37.0130, 18.3495
Hunter-Lab	92.1479, -10.0242, 35.5008

Details

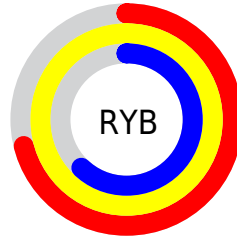
The XYZ color **78.0725, 84.9123, 45.0757** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.8730, 45.6401, 100.8938**, and the grayscale version is **78.5195, 82.6087, 89.9608**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **42.3554, 46.3668, 20.3530** is the 20% darker color. If you saturate the color by 10%, you get **74.7870, 81.5246, 34.1668**, and if you desaturate by 10%, it is **81.8517, 88.5564, 58.4030**.

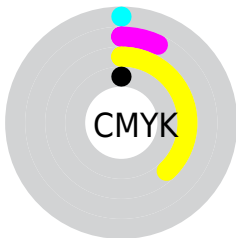
Distribution



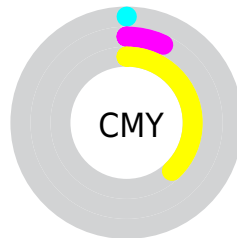
- Red (100%)
- Green (93%)
- Blue (62%)



- Red (71%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0725, 84.9123, 45.0757 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 78.0725, 84.9123, 45.0757 by changing the saturation by 10% instead.


 78.0725, 84.9123,
45.0757


 78.0725, 84.9123,
45.0757


477.2491,
511.3378, 383.2491

 58.4365, 63.7689,
31.1737


 129.6171,
140.2506, 84.1536

 42.4043, 46.4635,
20.4716


 162.2565,
175.2144, 110.1667

 29.6105, 32.6118,
12.5508


199.9611,
215.5537, 141.0537

 19.6897, 21.8292,
6.9929

243.0962,
261.6530, 177.2334

 12.2767, 13.7315,
3.3793

292.0272,
313.8967, 219.1243

 7.0059, 7.9341,
1.2914

347.1194,

 3.5122, 4.0528,

372.6691, 267.1448

0.0547

408.7383,
438.3547, 321.7136

■ 1.4300, 1.7032,
0.0000

■ 0.2775, 0.4257,
0.0000

■ 78.0725, 84.9123,
45.0757

■ 78.0725, 84.9123,
45.0757

■ 74.7870, 81.5246,
34.1668

■ 81.8517, 88.5564,
58.4030

■ 71.9603, 78.3696,
25.5222

■ 86.1444, 92.4558,
74.2798

■ 69.5629, 75.4384,
18.9780

■ 90.9768, 96.6247,
92.8337

■ 67.5588, 72.7161,
14.3461

95.0499, 100.0000,
108.9000

■ 65.9058, 70.1853,
11.4048

■ 64.5480, 67.8235,
9.8616

■ 64.2521, 67.2844,
9.6007

Harmonies

Analogous

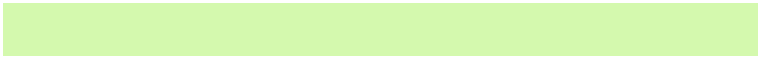
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9795, 84.9123, 47.6630



78.0725, 84.9123, 45.0757



68.7346, 84.9123, 52.7371

Triad

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



78.0725, 84.9123, 45.0757



65.2805, 84.9123, 133.5055



101.4602, 84.9123, 117.3288

Complementary

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



78.0725, 84.9123, 45.0757



47.8730, 45.6401, 100.8938

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.



93.9938, 84.9123, 148.3309



78.0725, 84.9123, 45.0757



72.9631, 84.9123, 159.0315

Square

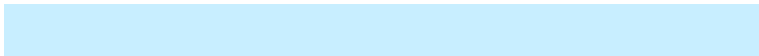
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0725, 84.9123, 45.0757



61.7899, 84.9123, 100.2942



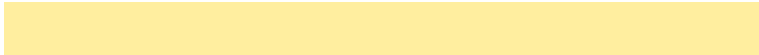
83.3993, 84.9123, 164.9895



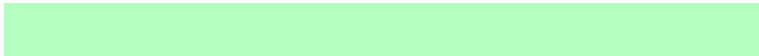
103.1366, 84.9123, 85.0354

Rectangle

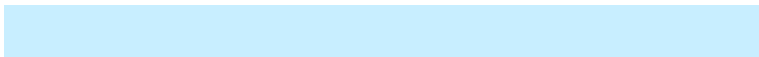
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0725, 84.9123, 45.0757



64.4320, 84.9123, 63.9090



83.3993, 84.9123, 164.9895



99.5139, 84.9123, 128.4416

Sweetspot

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



78.0746, 84.9162, 45.0775



89.2946, 95.1961, 86.3052



61.5346, 49.2155, 47.6435



18.9710, 20.2541, 17.9268



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.



78.0746, 84.9162, 45.0775



75.6110, 82.3986, 36.8271



72.9451, 89.9666, 46.3226



19.2716, 20.5114, 19.0877



33.6728, 35.3568, 5.0498



3.3470, 3.5793, 0.5145

Inverse Universe

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



47.8730, 45.6401, 100.8938



41.5760, 38.1543, 99.7810



51.5345, 42.8873, 100.1695



17.2629, 17.8975, 22.7947



9.9994, 4.9084, 49.8550



1.0413, 0.6133, 4.8768

Previews

White Background



This preview shows how the XYZ color 78.0725, 84.9123, 45.0757 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 78.0725, 84.9123, 45.0757 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 78.0725, 84.9123, 45.0757

Background



This preview shows how black text looks on a background with the XYZ color 78.0725, 84.9123, 45.0757.



This preview shows how white text looks on a background with the XYZ color 78.0725, 84.9123,

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

78.0725, 84.9123, 45.0757

Protanopia

78.8749, 84.7686, 50.7329

Deuteranopia

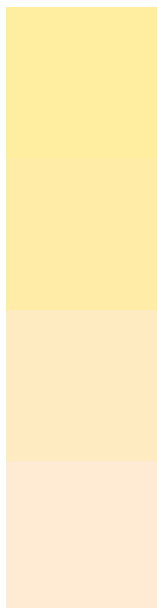
82.8004, 84.9607, 75.6533



Tritanopia

85.8429, 84.8226, 95.8524

Trichromacy



Original Color

78.0725, 84.9123, 45.0757

Protanomaly

78.4992, 84.6184, 48.7548

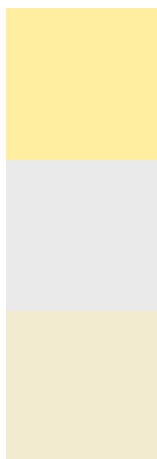
Deuteranomaly

80.6859, 84.5717, 63.1103

Tritanomaly

82.5465, 84.8591, 74.3161

Monochromacy



Original Color

78.0725, 84.9123, 45.0757

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5888, 82.7989, 70.9239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0725, 84.9123, 45.0757 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(255, 238, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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(255, 238, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 159) }
```

Border

The CSS property to change the border of an element to XYZ 78.0725, 84.9123, 45.0757 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(255, 238, 159) }
```


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

```
.border{ border-color:rgb(255, 238, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0725, 84.9123, 45.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 159) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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