

Converting Colors

XYZ(97.8562, 96.0973, 41.0202)

Have a look what the booklet for
XYZ(97.8562, 96.0973, 41.0202)
contains.

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Color

**XYZ(77.6665, 85.6868,
40.0495)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF093
RGB	255, 240, 147
RGB Percent	100%, 94%, 58%
CMY	0.0000, 0.0588, 0.4235
CMYK	0.00, 0.06, 0.42, 0.00
HSL	52°, 100%, 79%
HSV	52°, 42%, 100%
XYZ	77.6665, 85.6868, 40.0495
YIQ	233.8830, 38.7930, -25.7430

Conversions

Conversions Part 2

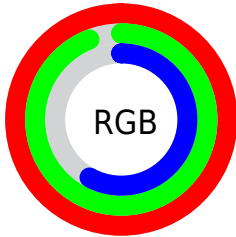
Format	Color
R _Y B	164, 255, 147
Decimal	16773267
CIE Lab	94.18, -7.46, 46.66
CIE LCh	94, 47.256, 99.079
Yxy	85.6868, 0.3818, 0.4213
Android (android.graphics.Color)	4294963347 (0xFFFFF093)
YUV	233.8830, -42.8333, 18.5196
Hunter-Lab	92.5672, -12.2259, 39.1450

Details

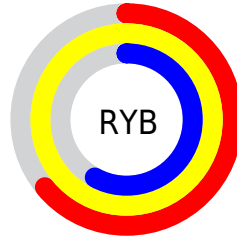
The XYZ color **77.6665, 85.6868, 40.0495** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.0026, 39.2623, 99.9193**, and the grayscale version is **78.4134, 82.4970, 89.8393**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **42.1868, 46.9594, 17.4303** is the 20% darker color. If you saturate the color by 10%, you get **74.8520, 82.9128, 30.3099**, and if you desaturate by 10%, it is **80.9491, 88.6868, 52.1351**.

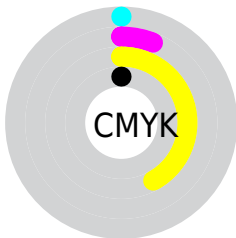
Distribution



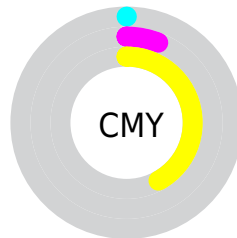
- Red (100%)
- Green (94%)
- Blue (58%)



- Red (64%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (6%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6665, 85.6868, 40.0495 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 77.6665, 85.6868, 40.0495 by changing the saturation by 10% instead.


 77.6665, 85.6868,
40.0495


 77.6665, 85.6868,
40.0495


475.8906,
513.8979, 361.8905

 58.1019, 64.4090,
27.2631


 129.0477,
141.3323, 76.4768

 42.1341, 46.9820,
17.5367


 161.5951,
176.4689, 100.9547

 29.3979, 33.0214,
10.4519


199.2007,
216.9938, 130.1669

 19.5278, 22.1429,
5.5901

242.2300,
263.2915, 164.5319

 12.1586, 13.9619,
2.5327

291.0483,
315.7464, 204.4682

 6.9247, 8.0942,
0.8574

346.0209,

 3.4610, 4.1553,

374.7428, 250.3944

0.0000

407.5132,
440.6652, 302.7289

■ 1.4020, 1.7608,
0.0000

■ 0.2576, 0.4626,
0.0000

■ 77.6665, 85.6868,
40.0495

■ 77.6665, 85.6868,
40.0495

■ 74.8520, 82.9128,
30.3099

■ 80.9491, 88.6868,
52.1351

■ 72.4694, 80.3408,
22.7548

■ 84.7205, 91.9120,
66.7032

■ 70.4877, 77.9613,
17.2109

■ 89.0078, 95.3763,
83.8861

■ 68.8682, 75.7587,
13.4761

■ 93.8340, 99.0893,
103.8052

■ 67.5645, 73.7142,
11.3061

95.0498, 99.9999,
108.9000

■ 66.7279, 72.2360,
10.4260

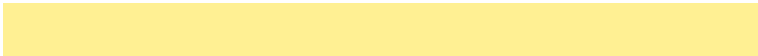
Harmonies

Analogous

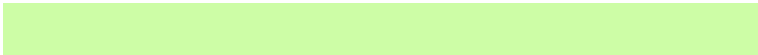
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4364, 85.6868, 42.2029



77.6665, 85.6868, 40.0495



67.0581, 85.6868, 49.0135

Triad

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



77.6665, 85.6868, 40.0495



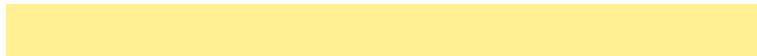
63.9900, 85.6868, 144.4335



106.3280, 85.6868, 120.4356

Complementary

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



77.6665, 85.6868, 40.0495



43.0026, 39.2623, 99.9193

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.



97.7501, 85.6868, 158.4588



77.6665, 85.6868, 40.0495



73.0660, 85.6868, 174.6183

Square

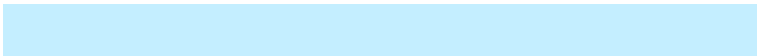
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6665, 85.6868, 40.0495



59.7170, 85.6868, 104.7217



85.3394, 85.6868, 180.3264



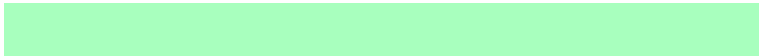
107.8864, 85.6868, 82.7375

Rectangle

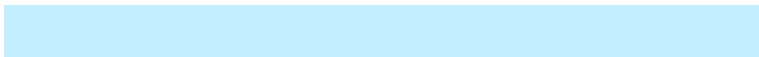
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6665, 85.6868, 40.0495



62.3159, 85.6868, 61.8980



85.3394, 85.6868, 180.3264



104.1304, 85.6868, 133.8460

Sweetspot

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



77.6686, 85.6908, 40.0513



88.7141, 95.1447, 82.6909



58.3030, 44.7798, 40.3159



18.7778, 20.1975, 16.8463



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

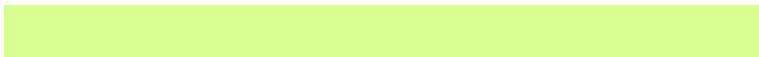
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6686, 85.6908, 40.0513



75.2069, 83.2763, 31.4954



69.7015, 88.4089, 40.9958



19.3336, 20.6353, 19.1084



34.9498, 37.9108, 5.4755



3.4596, 3.8045, 0.5520

Inverse Universe

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



43.0026, 39.2623, 99.9193



36.3233, 31.2224, 98.7198



48.4438, 38.3779, 99.4618



17.2063, 17.7843, 22.7758



9.8132, 4.5360, 49.7929



1.0144, 0.5594, 4.8678

Previews

White Background



This preview shows how the XYZ color 77.6665, 85.6868, 40.0495 looks on a white background.

Color Contrast Check

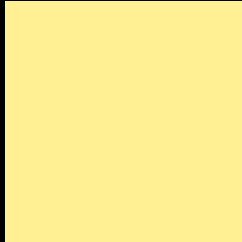
Large Text (above 18pt) WCAG AA × Fail

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 77.6665, 85.6868, 40.0495 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 77.6665, 85.6868, 40.0495

Background



This preview shows how black text looks on a background with the XYZ color 77.6665, 85.6868, 40.0495.

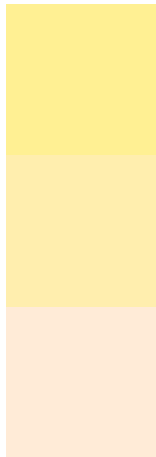


This preview shows how white text looks on a background with the XYZ color 77.6665, 85.6868,

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

77.6665, 85.6868, 40.0495

Protanopia

79.4545, 85.4651, 52.3531

Deuteranopia

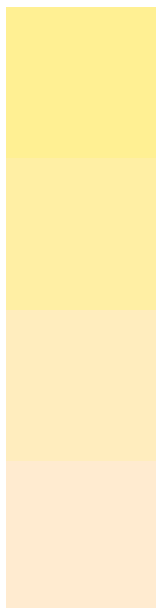
83.2141, 85.5830, 76.4233



Tritanopia

86.2743, 85.4443, 96.7393

Trichromacy



Original Color

77.6665, 85.6868, 40.0495

Protanomaly

78.8073, 85.6733, 47.5050

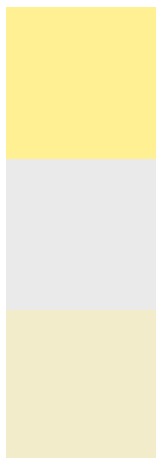
Deuteranomaly

80.8185, 85.5461, 60.9677

Tritanomaly

82.3335, 85.2307, 71.7862

Monochromacy



Original Color

77.6665, 85.6868, 40.0495

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.2741, 83.1324, 67.8505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6665, 85.6868, 40.0495 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, 240, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 147)  
}
```

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, 240, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 147) }
```

Border

The CSS property to change the border of an element to XYZ 77.6665, 85.6868, 40.0495 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, 240, 147) }
```


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

```
.border{ border-color:rgb(255, 240, 147) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6665, 85.6868, 40.0495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 147) }
```

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

```
.background{ background-color: rgb(255,  
240, 147) }
```

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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