

Converting Colors

XYZ(76.6640, 85.8190, 50.5543)

Have a look what the booklet for
XYZ(76.6640, 85.8190, 50.5543)
contains.

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Color

**XYZ(76.6640, 85.8190,
50.5543)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F2AA
RGB	245, 242, 170
RGB Percent	96%, 95%, 67%
CMY	0.0392, 0.0510, 0.3333
CMYK	0.00, 0.01, 0.31, 0.04
HSL	58°, 79%, 81%
HSV	58°, 31%, 96%
XYZ	76.6640, 85.8190, 50.5543
YIQ	234.6890, 24.9000, -21.7560

Conversions

Conversions Part 2

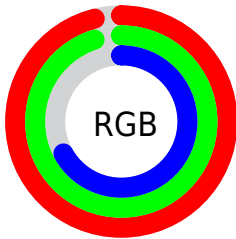
Format	Color
RYB	173, 245, 170
Decimal	16118442
CIELab	94.23, -9.72, 35.19
CIElCh	94, 36.510, 105.441
Yxy	85.8190, 0.3599, 0.4028
Android (android.graphics.Color)	4294308522 (0xFFFF5F2AA)
YUV	234.6890, -31.8917, 9.0427
Hunter-Lab	92.6385, -14.3979, 32.4915

Details

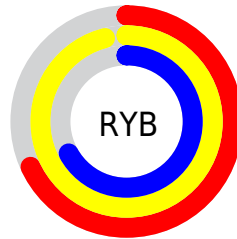
The XYZ color **76.6640, 85.8190, 50.5543** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.0024, 45.0246, 92.5470**, and the grayscale version is **78.9525, 83.0642, 90.4569**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **41.5088, 47.0935, 23.7318** is the 20% darker color. If you saturate the color by 10%, you get **74.2696, 84.3997, 39.3679**, and if you desaturate by 10%, it is **79.4963, 87.4220, 64.0195**.

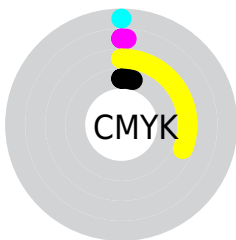
Distribution



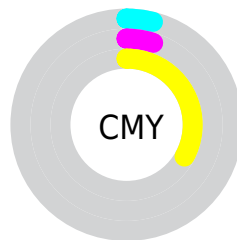
- Red (96%)
- Green (95%)
- Blue (67%)



- Red (68%)
- Yellow (96%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (31%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6640, 85.8190, 50.5543 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 76.6640, 85.8190, 50.5543 by changing the saturation by 10% instead.

■ 76.6640, 85.8190,
50.5543

■ 76.6640, 85.8190,
50.5543

472.5272,
514.3342, 405.6267

■ 57.2761, 64.5183,
35.4798

■ 127.6404,
141.5169, 92.4004

■ 41.4680, 47.0706,
23.7462

159.9597,
176.6829, 120.0090

■ 28.8742, 33.0915,
14.9350

197.3201,
217.2394, 152.6327

■ 19.1295, 22.1965,
8.6277

240.0871,
263.5709, 190.6900

■ 11.8684, 14.0014,
4.4056

288.6259,
316.0617, 234.5995

■ 6.7257, 8.1216,
1.8504

343.3019,

■ 3.3360, 4.1729,

375.0963, 284.7798

0.4609

404.4806,
441.0590, 341.6493

■ 1.3338, 1.7707,
0.0000

■ 0.2083, 0.4688,
0.0000

■ 76.6640, 85.8190,
50.5543

■ 76.6640, 85.8190,
50.5543

■ 74.2696, 84.3997,
39.3679

■ 79.4963, 87.4220,
64.0195

■ 72.2825, 83.1428,
30.3284

■ 82.7821, 89.2058,
79.8748

■ 70.6784, 82.0416,
23.2984

■ 86.5443, 91.1827,
98.2310

■ 69.4280, 81.0843,
18.1229

■ 88.6372, 92.4944,
107.7893

■ 68.4973, 80.2574,
14.6238

■ 88.9354, 93.0907,
107.8887

■ 67.8461, 79.5448,
12.5885

■ 89.2351, 93.6902,
107.9886

■ 67.4276, 78.9551,
11.6861

■ 89.5364, 94.2927,
108.0890

■ 89.8392, 94.8985,
108.1899

■ 90.1437, 95.5074,
108.2914

Harmonies

Analogous

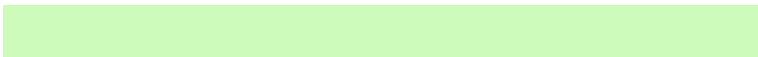
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3869, 85.8190, 50.4120



76.6640, 85.8190, 50.5543



68.8911, 85.8190, 60.5229

Triad

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



76.6640, 85.8190, 50.5543



69.0741, 85.8190, 137.3028



101.1543, 85.8190, 107.6431

Complementary

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



76.6640, 85.8190, 50.5543



48.0024, 45.0246, 92.5470

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.



95.7127, 85.8190, 136.5468



76.6640, 85.8190, 50.5543



76.9325, 85.8190, 155.8537

Square

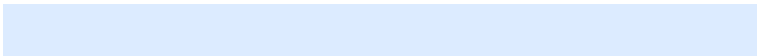
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6640, 85.8190, 50.5543



64.7536, 85.8190, 108.5252



86.6776, 85.8190, 155.5522



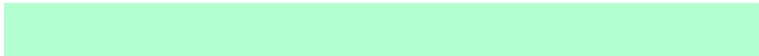
101.0679, 85.8190, 79.8260

Rectangle

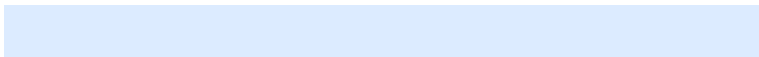
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6640, 85.8190, 50.5543



65.6341, 85.8190, 72.8002



86.6776, 85.8190, 155.5522



99.8930, 85.8190, 117.6583

Sweetspot

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



76.6662, 85.8229, 50.5561



91.2810, 98.0259, 90.4910



59.6473, 51.2092, 46.6585



19.4162, 20.9168, 18.7774



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

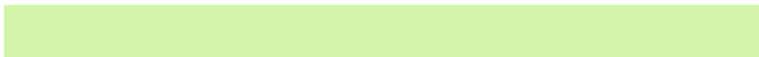
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6662, 85.8229, 50.5561



82.2124, 92.9613, 47.1669



66.8444, 82.0933, 50.3539



17.8547, 19.1934, 17.5612



36.3500, 42.5855, 6.3040



3.2121, 3.7775, 0.5598

Inverse Universe

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



48.0024, 45.0246, 92.5470



46.0276, 41.4610, 100.1846



55.6904, 48.1452, 92.7441



15.6342, 16.0327, 20.8132



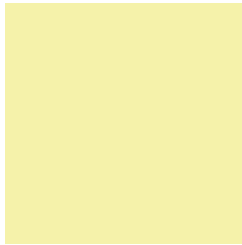
8.9595, 3.7129, 46.7825



0.8058, 0.3630, 4.1178

Previews

White Background



This preview shows how the XYZ color 76.6640, 85.8190, 50.5543 looks on a white background.

Color Contrast Check

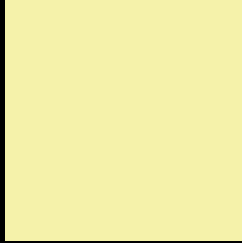
Large Text (above 18pt) WCAG AA × Fail

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 76.6640, 85.8190, 50.5543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

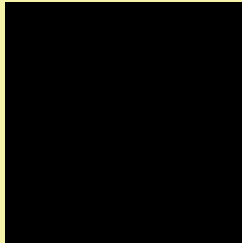
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.6640, 85.8190, 50.5543

Background



This preview shows how black text looks on a background with the XYZ color 76.6640, 85.8190, 50.5543.

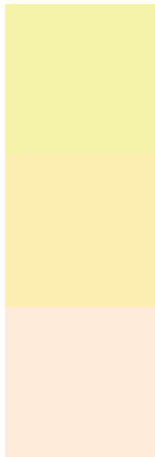


This preview shows how white text looks on a background with the XYZ color 76.6640, 85.8190,

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

76.6640, 85.8190, 50.5543

Protanopia

79.8504, 85.6234, 54.4379

Deuteranopia

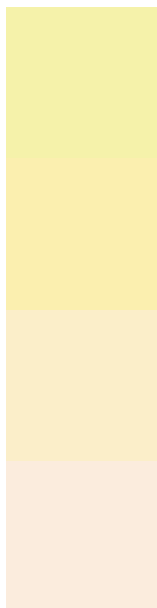
83.6032, 85.7386, 78.4725



Tritanopia

87.3519, 85.8754, 102.4141

Trichromacy



Original Color

76.6640, 85.8190, 50.5543

Protanomaly

78.3880, 85.3374, 52.8977

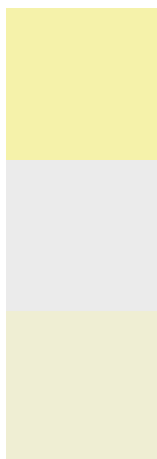
Deuteranomaly

80.9008, 85.8753, 67.5700

Tritanomaly

82.8303, 85.7206, 80.5867

Monochromacy



Original Color

76.6640, 85.8190, 50.5543

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.9290, 84.2029, 73.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6640, 85.8190, 50.5543 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(245, 242, 170)` looks like.

```
.text, #text, p{  
    color:rgb(245, 242, 170)  
}
```

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(245, 242, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 242, 170) }
```

Border

The CSS property to change the border of an element to XYZ 76.6640, 85.8190, 50.5543 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(245, 242, 170) }
```


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

```
.border{ border-color:rgb(245, 242, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 242, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 242, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 242, 170);  
box-shadow:4px 4px 4px 4px rgb(245, 242,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6640, 85.8190, 50.5543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 242, 170) }
```

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

```
.background{ background-color: rgb(245,  
242, 170) }
```

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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