

Converting Colors

XYZ(76.7565, 84.4753, 51.9853)

Have a look what the booklet for
XYZ(76.7565, 84.4753, 51.9853)
contains.

| | |
|--|----|
| XYZ(76.7671, 84.5243, 51.8039) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(76.7671, 84.5243,
51.8039)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F7EFAD |
| RGB | 247, 239, 173 |
| RGB Percent | 97%, 94%, 68% |
| CMY | 0.0314, 0.0627, 0.3216 |
| CMYK | 0.00, 0.03, 0.30, 0.03 |
| HSL | 54°, 82%, 82% |
| HSV | 54°, 30%, 97% |
| XYZ | 76.7671, 84.5243, 51.8039 |
| YIQ | 233.8680, 25.9540, -18.8300 |

Conversions

Conversions Part 2

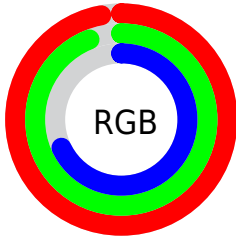
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 182, 247, 173 |
| Decimal | 16248749 |
| CIE Lab | 93.68, -7.11, 32.97 |
| CIE LCh | 94, 33.724, 102.172 |
| Yxy | 84.5243, 0.3602, 0.3967 |
| Android (android.graphics.Color) | 4294438829 (0xFFF7EFAD) |
| YUV | 233.8680, -30.0079, 11.5168 |
| Hunter-Lab | 91.9371, -11.8432, 30.9478 |

Details

The XYZ color **76.7671, 84.5243, 51.8039** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.5457, 48.6461, 94.7215**, and the grayscale version is **78.3148, 82.3933, 89.7263**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **41.5589, 46.1702, 24.4907** is the 20% darker color. If you saturate the color by 10%, you get **73.8200, 82.1076, 40.1002**, and if you desaturate by 10%, it is **80.1719, 87.1484, 65.8420**.

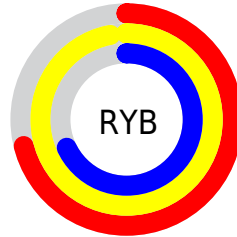
Distribution



Red (97%)

Green (94%)

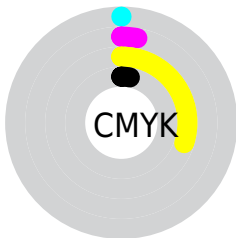
Blue (68%)



Red (71%)

Yellow (97%)

Blue (68%)

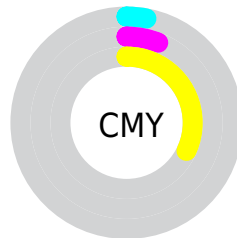


Cyan (0%)

Magenta (3%)

Yellow (30%)

Black (3%)



Cyan (3%)


Magenta (6%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7671, 84.5243, 51.8039 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 76.7671, 84.5243, 51.8039 by changing the saturation by 10% instead.


 76.7671, 84.5243,
51.8039

 76.7671, 84.5243,
51.8039


472.8737,
510.0527, 410.6145

 57.3610, 63.4484,
36.4676


 127.7853,
139.7084, 94.2656

 41.5364, 46.2041,
24.5030


160.1280,
174.5853, 122.2281

 28.9280, 32.4069,
15.4915


197.5137,
214.8314, 155.2365

 19.1704, 21.6725,
9.0146

240.3077,
260.8310, 193.7092

 11.8982, 13.6164,
4.6538

288.8754,
312.9685, 238.0648

 6.7461, 7.8544,
1.9904

343.5820,

 3.3487, 4.0019,

371.6284, 288.7218

0.5494

404.7930,
437.1950, 346.0989

■ 1.3407, 1.6746,
0.0000

■ 0.2134, 0.4071,
0.0000

■ 76.7671, 84.5243,
51.8039

■ 76.7671, 84.5243,
51.8039

■ 73.8200, 82.1076,
40.1002

■ 80.1719, 87.1484,
65.8420

■ 71.2997, 79.8771,
30.5971

■ 84.0506, 89.9777,
82.3277

■ 69.1816, 77.8258,
23.1555

■ 88.4264, 93.0243,
101.3734

■ 67.4358, 75.9416,
17.6183

■ 90.4940, 95.1664,
108.2072

■ 66.0282, 74.2108,
13.8057

■ 91.3276, 96.8337,
108.4850

■ 64.9179, 72.6170,
11.5035

■ 92.1679, 98.5142,
108.7651

■ 64.0378, 71.1332,
10.3579

■ 64.0344, 71.1272,
10.3540

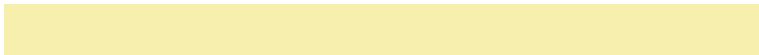
Harmonies

Analogous

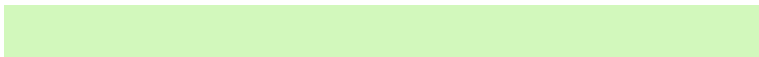
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7174, 84.5243, 52.6660



76.7671, 84.5243, 51.8039



69.3393, 84.5243, 60.1508

Triad

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



76.7671, 84.5243, 51.8039



68.2574, 84.5243, 129.2051



97.8416, 84.5243, 107.9459

Complementary

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



76.7671, 84.5243, 51.8039



50.5457, 48.6461, 94.7215

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.



92.4419, 84.5243, 133.5611



76.7671, 84.5243, 51.8039



75.1881, 84.5243, 147.3152

Square

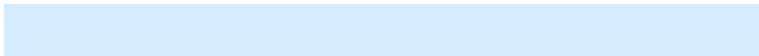
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7671, 84.5243, 51.8039



64.6762, 84.5243, 102.8095



84.0176, 84.5243, 149.0429



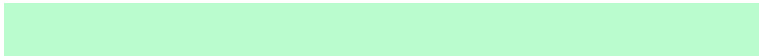
98.3433, 84.5243, 82.0364

Rectangle

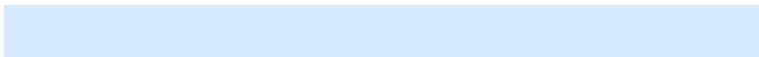
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7671, 84.5243, 51.8039



66.0724, 84.5243, 70.9073



84.0176, 84.5243, 149.0429



96.5216, 84.5243, 116.9851

Sweetspot

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



76.7692, 84.5281, 51.8057



90.7868, 97.0374, 90.3263



61.7077, 53.0245, 51.0410



19.2934, 20.6713, 18.7365



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

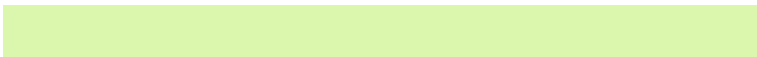
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7692, 84.5281, 51.8057



80.5463, 89.2665, 47.7293



69.9074, 84.5423, 52.1701



17.7528, 18.9898, 17.5273



33.9297, 37.7451, 5.4972



3.0250, 3.4033, 0.4975

Inverse Universe

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



50.5457, 48.6461, 94.7215



48.1613, 44.9597, 100.7475



55.9190, 49.0720, 94.5205



15.7252, 16.2148, 20.8435



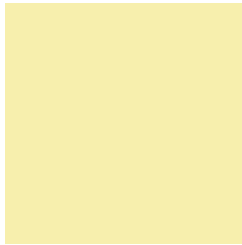
9.1310, 4.0557, 46.8396



0.8491, 0.4497, 4.1323

Previews

White Background



This preview shows how the XYZ color 76.7671, 84.5243, 51.8039 looks on a white background.

Color Contrast Check

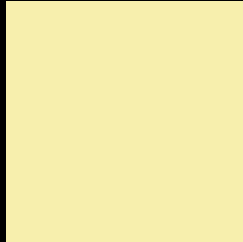
Large Text (above 18pt) WCAG AA × Fail

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 76.7671, 84.5243, 51.8039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

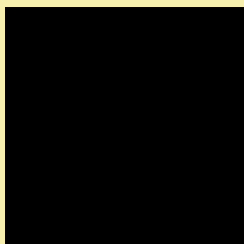
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7671, 84.5243, 51.8039

Background



This preview shows how black text looks on a background with the XYZ color 76.7671, 84.5243, 51.8039.



This preview shows how white text looks on a background with the XYZ color 76.7671, 84.5243,

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

76.7671, 84.5243, 51.8039

Protanopia

78.9706, 84.8069, 51.2369

Deuteranopia

82.6447, 84.4441, 76.2335



Tritanopia

86.3253, 84.5690, 99.7693

Trichromacy

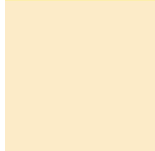


Original Color

76.7671, 84.5243, 51.8039

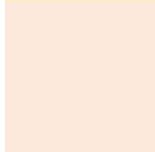
Protanomaly

78.1658, 84.8231, 51.2824



Deuteranomaly

80.2785, 84.2822, 66.6805



Tritanomaly

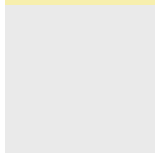
82.2021, 84.1406, 79.6184

Monochromacy



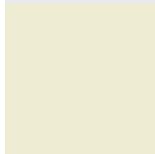
Original Color

76.7671, 84.5243, 51.8039



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

77.4757, 83.0951, 74.2429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7671, 84.5243, 51.8039 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(247, 239, 173)` looks like.

```
.text, #text, p{  
    color:rgb(247, 239, 173)  
}
```

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(247, 239, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 239, 173) }
```

Border

The CSS property to change the border of an element to XYZ 76.7671, 84.5243, 51.8039 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(247, 239, 173) }
```


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

```
.border{ border-color:rgb(247, 239, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 239, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 239, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 239, 173);  
box-shadow:4px 4px 4px 4px rgb(247, 239,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7671, 84.5243, 51.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 239, 173) }
```

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

```
.background{ background-color: rgb(247,  
239, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor