

Converting Colors

XYZ(77.6685, 83.8241, 45.8043)

Have a look what the booklet for
XYZ(77.6685, 83.8241, 45.8043)
contains.

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Color

**XYZ(77.6685, 83.8241,
45.8043)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECA1
RGB	255, 236, 161
RGB Percent	100%, 93%, 63%
CMY	0.0000, 0.0745, 0.3686
CMYK	0.00, 0.07, 0.37, 0.00
HSL	48°, 100%, 82%
HSV	48°, 37%, 100%
XYZ	77.6685, 83.8241, 45.8043
YIQ	233.1310, 35.3990, -19.2970

Conversions

Conversions Part 2

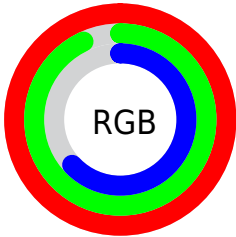
Format	Color
RYB	185, 255, 161
Decimal	16772257
CIELab	93.37, -3.99, 38.72
CIELCh	93, 38.923, 95.878
Yxy	83.8241, 0.3747, 0.4044
Android (android.graphics.Color)	4294962337 (0xFFFFECA1)
YUV	233.1310, -35.5606, 19.1791
Hunter-Lab	91.5555, -8.7967, 34.4267

Details

The XYZ color **77.6685, 83.8241, 45.8043** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.0688, 47.4382, 101.1780**, and the grayscale version is **77.7933, 81.8446, 89.1288**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **42.0540, 45.5955, 20.7717** is the 20% darker color. If you saturate the color by 10%, you get **74.1837, 80.0935, 34.6572**, and if you desaturate by 10%, it is **81.6589, 87.8314, 59.3841**.

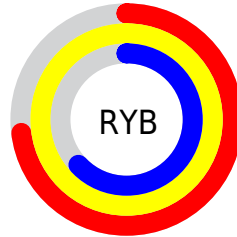
Distribution



Red (100%)

Green (93%)

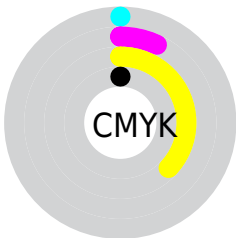
Blue (63%)



Red (73%)

Yellow (100%)

Blue (63%)

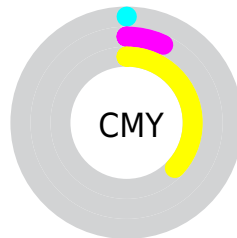


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6685, 83.8241, 45.8043 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 77.6685, 83.8241, 45.8043 by changing the saturation by 10% instead.


 77.6685, 83.8241,
45.8043


 77.6685, 83.8241,
45.8043


475.8973,
507.7289, 386.2760

 58.1035, 62.8702,
31.7439


 129.0505,
138.7291, 85.2572

 42.1355, 45.7362,
20.9027


 161.5983,
173.4490, 111.4868

 29.3990, 32.0377,
12.8624


199.2045,
213.5264, 142.6099

 19.5286, 21.3903,
7.2042

242.2343,
259.3456, 179.0449

 12.1591, 13.4096,
3.5098

291.0531,
311.2911, 221.2105

 6.9251, 7.7112,
1.3605

346.0263,

 3.4612, 3.9107,

369.7472, 269.5252

0.1106

407.5193,
435.0983, 324.4075

■ 1.4021, 1.6237,
0.0000

■ 0.2577, 0.3735,
0.0000

■ 77.6685, 83.8241,
45.8043

■ 77.6685, 83.8241,
45.8043

■ 74.1837, 80.0935,
34.6572

■ 81.6589, 87.8314,
59.3841

■ 71.1698, 76.6162,
25.7899

■ 86.1746, 92.1149,
75.5270

■ 68.5974, 73.3828,
19.0399

■ 91.2420, 96.6887,
94.3599

■ 66.4309, 70.3786,
14.2211

95.0500, 100.0000,
108.9000

■ 64.6283, 67.5861,
11.1151

■ 63.1369, 64.9836,
9.4452

■ 62.7080, 64.1960,
9.0860

Harmonies

Analogous

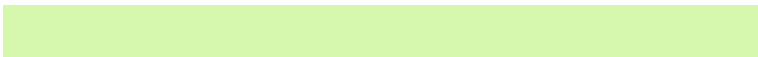
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0124, 83.8241, 48.7962



77.6685, 83.8241, 45.8043



68.6578, 83.8241, 52.7088

Triad

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



77.6685, 83.8241, 45.8043



64.7285, 83.8241, 128.5598



99.0740, 83.8241, 116.3706

Complementary

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



77.6685, 83.8241, 45.8043



49.0688, 47.4382, 101.1780

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.



91.8060, 83.8241, 145.1488



77.6685, 83.8241, 45.8043



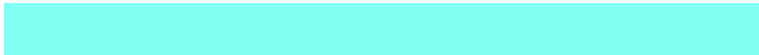
71.8765, 83.8241, 153.1777

Square

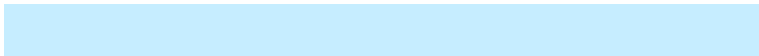
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6685, 83.8241, 45.8043



61.6104, 83.8241, 97.1809



81.7103, 83.8241, 159.8217



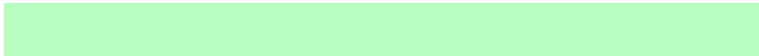
100.9585, 83.8241, 85.6042

Rectangle

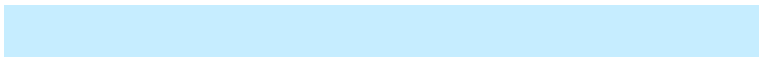
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6685, 83.8241, 45.8043



64.4270, 83.8241, 63.0961



81.7103, 83.8241, 159.8217



97.1507, 83.8241, 126.7858

Sweetspot

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



77.6705, 83.8279, 45.8060



89.0767, 94.7601, 86.2326



62.3636, 50.1019, 50.2983



18.9187, 20.1497, 17.9094



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

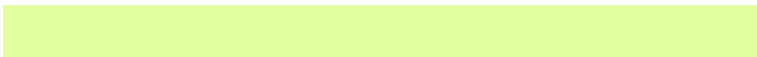
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6705, 83.8279, 45.8060



75.1319, 81.1354, 37.6081



74.3048, 90.6474, 47.2997



19.2312, 20.4305, 19.0742



32.8755, 33.7623, 4.7840



3.2762, 3.4378, 0.4909

Inverse Universe

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



49.0688, 47.4382, 101.1780



42.8834, 40.1225, 100.0920



51.4445, 43.3556, 100.2648



17.3002, 17.9720, 22.8071



10.1454, 5.2004, 49.9036



1.0607, 0.6522, 4.8832

Previews

White Background



This preview shows how the XYZ color 77.6685, 83.8241, 45.8043 looks on a white background.

Color Contrast Check

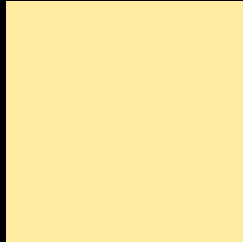
Large Text (above 18pt) WCAG AA × Fail

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 77.6685, 83.8241, 45.8043 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 77.6685, 83.8241, 45.8043

Background



This preview shows how black text looks on a background with the XYZ color 77.6685, 83.8241, 45.8043.



This preview shows how white text looks on a background with the XYZ color 77.6685, 83.8241,

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

77.6685, 83.8241, 45.8043

Protanopia

77.8463, 83.8952, 46.7408

Deuteranopia

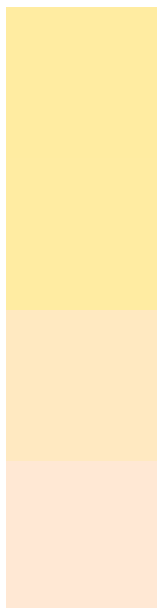
81.8545, 83.6764, 73.4650



Tritanopia

85.1365, 83.6495, 94.8779

Trichromacy



Original Color

77.6685, 83.8241, 45.8043

Protanomaly

77.7570, 83.8595, 46.2707

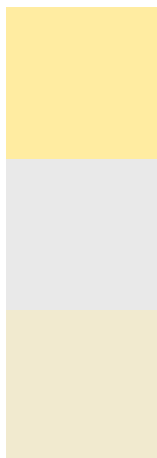
Deuteranomaly

80.0046, 83.3881, 62.3309

Tritanomaly

81.9803, 83.7267, 74.1274

Monochromacy



Original Color

77.6685, 83.8241, 45.8043

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.9609, 82.0514, 70.8127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6685, 83.8241, 45.8043 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, 236, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 161)  
}
```

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, 236, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 161) }
```

Border

The CSS property to change the border of an element to XYZ 77.6685, 83.8241, 45.8043 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, 236, 161) }
```


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

```
.border{ border-color:rgb(255, 236, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6685, 83.8241, 45.8043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 161) }
```

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

```
.background{ background-color: rgb(255,  
236, 161) }
```

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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