

Converting Colors

XYZ(125.7290, 107.5718,
56.0090)

Have a look what the booklet for
XYZ(125.7290, 107.5718, 56.0090)
contains.

XYZ(78.6987, 83.3200, 54.0540)	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(78.6987, 83.3200,
54.0540)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAB2
RGB	255, 234, 178
RGB Percent	100%, 92%, 70%
CMY	0.0000, 0.0823, 0.3020
CMYK	0.00, 0.08, 0.30, 0.00
HSL	44°, 100%, 85%
HSV	44°, 30%, 100%
XYZ	78.6987, 83.3200, 54.0540
YIQ	233.8950, 30.4920, -12.9640

Conversions

Conversions Part 2

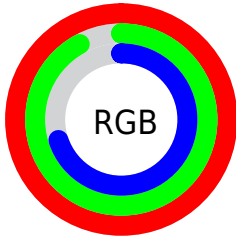
Format	Color
R _Y B	207, 255, 178
Decimal	16771762
CIE Lab	93.15, -0.98, 29.83
CIE LCh	93, 29.851, 91.884
Yxy	83.3200, 0.3642, 0.3856
Android (android.graphics.Color)	4294961842 (0xFFFEAB2)
YUV	233.8950, -27.5562, 18.5091
Hunter-Lab	91.2798, -5.8423, 28.7855

Details

The XYZ color **78.6987, 83.3200, 54.0540** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.8330, 57.5301, 102.7167**, and the grayscale version is **78.3148, 82.3933, 89.7263**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **42.6480, 45.1918, 25.8771** is the 20% darker color. If you saturate the color by 10%, you get **74.4325, 78.5111, 41.1530**, and if you desaturate by 10%, it is **83.5226, 88.4821, 69.4908**.

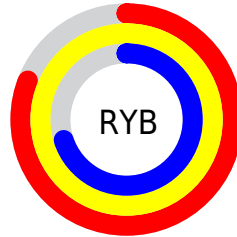
Distribution



Red (100%)

Green (92%)

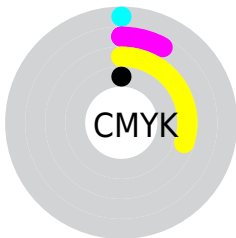
Blue (70%)



Red (81%)

Yellow (100%)

Blue (70%)

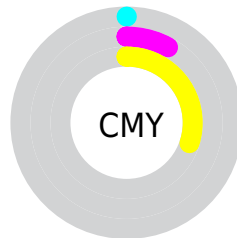


Cyan (0%)

Magenta (8%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6987, 83.3200, 54.0540 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 78.6987, 83.3200, 54.0540 by changing the saturation by 10% instead.


 78.6987, 83.3200,
54.0540

 78.6987, 83.3200,
54.0540

479.3401,
506.0524, 419.4963

 58.9529, 62.4542,
38.2514


 130.4948,
138.0236, 97.6107

 42.8214, 45.3998,
25.8745


163.2757,
172.6301, 126.2019

 29.9389, 31.7724,
16.5048


201.1325,
212.5856, 159.8930

 19.9401, 21.1877,
9.7239

244.4303,
258.2746, 199.1026

 12.4595, 13.2613,
5.1131

293.5347,
310.0813, 244.2492

 7.1319, 7.6087,
2.2539

348.8108,

 3.5918, 3.8456,

368.3903, 295.7513

0.7052

410.6242,
433.5858, 354.0275

■ 1.4739, 1.5876,
0.0000

■ 0.3080, 0.3492,
0.0000

■ 78.6987, 83.3200,
54.0540

■ 78.6987, 83.3200,
54.0540

■ 74.4325, 78.5111,
41.1530

■ 83.5226, 88.4821,
69.4908

■ 70.6907, 74.0319,
30.6432

■ 88.9234, 93.9978,
87.5869

■ 67.4453, 69.8728,
22.3734

94.9266, 99.8814,
108.4640

■ 64.6631, 66.0189,
16.1727

95.0500, 100.0000,
108.9000

■ 62.3061, 62.4536,
11.8456

■ 60.3291, 59.1573,
9.1586

■ 58.6883, 56.1566,
7.7461

Harmonies

Analogous

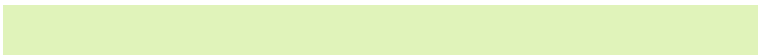
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5112, 83.3200, 57.7247



78.6987, 83.3200, 54.0540



71.4953, 83.3200, 58.7808

Triad

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



78.6987, 83.3200, 54.0540



67.0712, 83.3200, 115.4868



93.2456, 83.3200, 112.6238

Complementary

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



78.6987, 83.3200, 54.0540



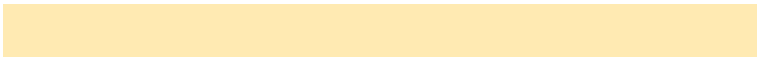
56.8330, 57.5301, 102.7167

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.



87.4247, 83.3200, 132.5356



78.6987, 83.3200, 54.0540



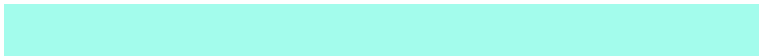
72.2999, 83.3200, 134.3710

Square

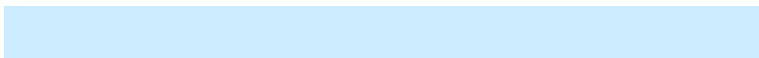
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6987, 83.3200, 54.0540



65.0630, 83.3200, 92.1478



79.6897, 83.3200, 141.0683



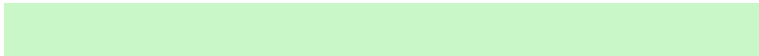
95.2339, 83.3200, 89.3096

Rectangle

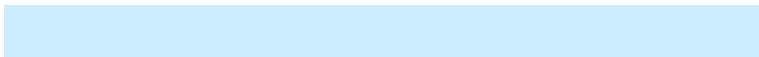
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6987, 83.3200, 54.0540



67.9161, 83.3200, 66.5986



79.6897, 83.3200, 141.0683



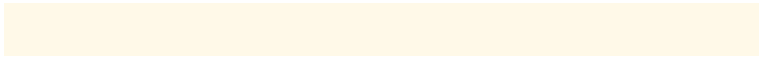
91.6541, 83.3200, 120.0618

Sweetspot

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



78.7008, 83.3238, 54.0557



89.6088, 94.6814, 89.9336



67.5649, 57.2633, 62.0241



19.0016, 20.0877, 18.6392



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

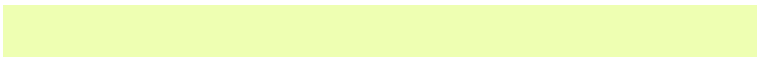
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7008, 83.3238, 54.0557



76.1574, 80.4888, 46.2663



79.1626, 92.9665, 55.8926



19.1178, 20.2038, 19.0364



30.7967, 29.6046, 4.0911



3.0896, 3.0645, 0.4287

Inverse Universe

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



56.8330, 57.5301, 102.7167



51.2275, 51.0922, 101.7695



56.3952, 50.6218, 101.4064



17.4060, 18.1835, 22.8423



10.6660, 6.2415, 50.0772



1.1247, 0.7802, 4.9046

Previews

White Background



This preview shows how the XYZ color 78.6987, 83.3200, 54.0540 looks on a white background.

Color Contrast Check

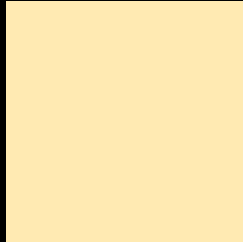
Large Text (above 18pt) WCAG AA × Fail

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 78.6987, 83.3200, 54.0540 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 78.6987, 83.3200, 54.0540

Background



This preview shows how black text looks on a background with the XYZ color 78.6987, 83.3200, 54.0540.



This preview shows how white text looks on a background with the XYZ color 78.6987, 83.3200,

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

78.6987, 83.3200, 54.0540

Protanopia

77.8891, 83.3265, 54.0979

Deuteranopia

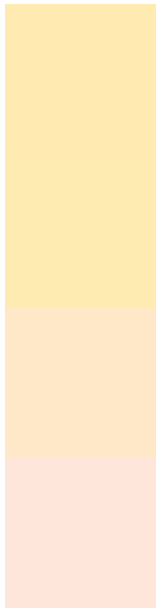
81.8262, 83.2159, 74.7004



Tritanopia

84.8606, 83.0977, 94.7859

Trichromacy



Original Color

78.6987, 83.3200, 54.0540

Protanomaly

78.2522, 83.5137, 54.1149

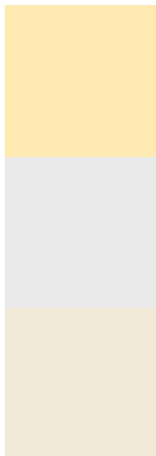
Deuteranomaly

80.5219, 83.1434, 66.4479

Tritanomaly

82.1917, 82.9156, 78.0020

Monochromacy



Original Color

78.6987, 83.3200, 54.0540

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.1784, 82.5779, 75.4370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6987, 83.3200, 54.0540 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, 234, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 178)  
}
```

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, 234, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 178) }
```

Border

The CSS property to change the border of an element to XYZ 78.6987, 83.3200, 54.0540 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, 234, 178) }
```


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

```
.border{ border-color:rgb(255, 234, 178) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6987, 83.3200, 54.0540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 178) }
```

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

```
.background{ background-color: rgb(255,  
234, 178) }
```

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