

Converting Colors

XYZ(81.2911, 85.0537, 52.0244)

Have a look what the booklet for
XYZ(81.2911, 85.0537, 52.0244)
contains.

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Color

**XYZ(78.5883, 83.7327,
52.0644)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBAE
RGB	255, 235, 174
RGB Percent	100%, 92%, 68%
CMY	0.0000, 0.0784, 0.3176
CMYK	0.00, 0.08, 0.32, 0.00
HSL	45°, 100%, 84%
HSV	45°, 32%, 100%
XYZ	78.5883, 83.7327, 52.0644
YIQ	234.0260, 31.5010, -14.7310

Conversions

Conversions Part 2

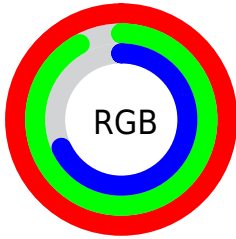
Format	Color
R_{YB}	201, 255, 174
Decimal	16772014
CIE Lab	93.33, -1.98, 32.11
CIE LCh	93, 32.173, 93.522
Yxy	83.7327, 0.3666, 0.3906
Android (android.graphics.Color)	4294962094 (0xFFFFEBAE)
YUV	234.0260, -29.5928, 18.3942
Hunter-Lab	91.5056, -6.8325, 30.3194

Details

The XYZ color **78.5883, 83.7327, 52.0644** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.7969, 54.8006, 102.2972**, and the grayscale version is **78.4286, 82.5129, 89.8566**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **42.5972, 45.4910, 24.6247** is the 20% darker color. If you saturate the color by 10%, you get **74.5649, 79.2935, 39.6010**, and if you desaturate by 10%, it is **83.1517, 88.4958, 67.0379**.

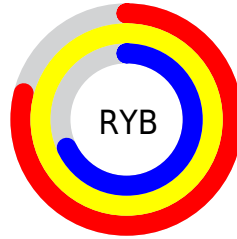
Distribution



Red (100%)

Green (92%)

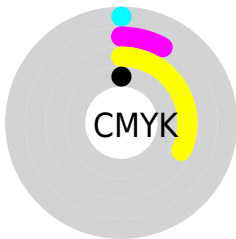
Blue (68%)



Red (79%)

Yellow (100%)

Blue (68%)

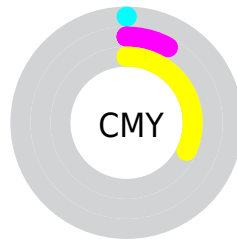


Cyan (0%)

Magenta (8%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5883, 83.7327, 52.0644 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 78.5883, 83.7327, 52.0644 by changing the saturation by 10% instead.

 78.5883, 83.7327,
52.0644

 78.5883, 83.7327,
52.0644


478.9718,
507.4252, 411.6492

 58.8618, 62.7948,
36.6738


 130.3401,
138.6012, 94.6538

 42.7478, 45.6752,
24.6612


163.0961,
173.3006, 122.6896

 29.8810, 31.9896,
15.6081


200.9261,
213.3559, 155.7776

 19.8959, 21.3535,
9.0959

244.1953,
259.1515, 194.3364

 12.4272, 13.3827,
4.7061

293.2691,
311.0718, 238.7843

 7.1096, 7.6926,
2.0202

348.5129,

 3.5777, 3.8989,

369.5013, 289.5401

0.5677

410.2920,
434.8243, 347.0222

■ 1.4661, 1.6172,
0.0000

■ 0.3026, 0.3691,
0.0000

■ 78.5883, 83.7327,
52.0644

■ 78.5883, 83.7327,
52.0644

■ 74.5649, 79.2935,
39.6010

■ 83.1517, 88.4958,
67.0379

■ 71.0477, 75.1549,
29.5014

■ 88.2740, 93.5826,
84.6465

■ 68.0087, 71.3075,
21.6117

■ 93.9810, 99.0074,
105.0129

■ 65.4142, 67.7367,
15.7581

■ 95.0500, 100.0000,
108.9000

■ 63.2255, 64.4261,
11.7401

■ 61.3962, 61.3558,
9.3165

■ 60.1020, 58.9839,
8.2173

Harmonies

Analogous

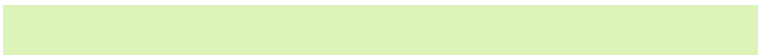
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0761, 83.7327, 55.4447



78.5883, 83.7327, 52.0644



70.9190, 83.7327, 57.5287

Triad

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



78.5883, 83.7327, 52.0644



66.7556, 83.7327, 119.4567



95.0850, 83.7327, 113.6074

Complementary

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



78.5883, 83.7327, 52.0644



54.7969, 54.8006, 102.2972

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.



88.9306, 83.7327, 135.8871



78.5883, 83.7327, 52.0644



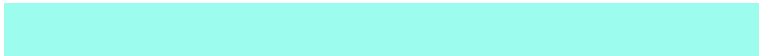
72.5371, 83.7327, 139.6633

Square

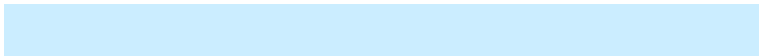
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5883, 83.7327, 52.0644



64.4000, 83.7327, 94.0685



80.5909, 83.7327, 146.1510



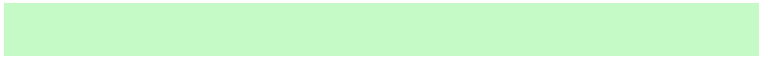
96.9879, 83.7327, 88.3330

Rectangle

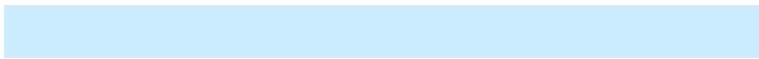
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5883, 83.7327, 52.0644



67.1855, 83.7327, 66.1390



80.5909, 83.7327, 146.1510



93.4243, 83.7327, 121.8342

Sweetspot

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



78.5904, 83.7365, 52.0661



89.2375, 94.5146, 88.0351



66.1424, 55.4393, 58.4020



18.9359, 20.0709, 18.2637



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

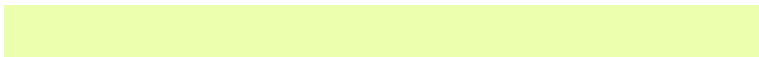
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5904, 83.7365, 52.0661



76.0188, 80.9294, 44.0072



77.5788, 92.1958, 53.7523



19.1591, 20.2865, 19.0502



31.5284, 31.0681, 4.3350



3.1557, 3.1967, 0.4507

Inverse Universe

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



54.7969, 54.8006, 102.2972



48.9020, 47.9628, 101.2881



55.4993, 48.9956, 101.1397



17.3672, 18.1060, 22.8294



10.4564, 5.8223, 50.0073



1.0997, 0.7301, 4.8962

Previews

White Background



This preview shows how the XYZ color 78.5883, 83.7327, 52.0644 looks on a white background.

Color Contrast Check

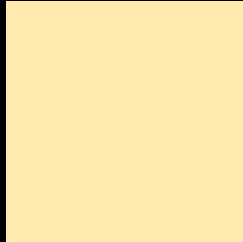
Large Text (above 18pt) WCAG AA × Fail

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 78.5883, 83.7327, 52.0644 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 78.5883, 83.7327, 52.0644

Background



This preview shows how black text looks on a background with the XYZ color 78.5883, 83.7327, 52.0644.



This preview shows how white text looks on a background with the XYZ color 78.5883, 83.7327,

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

78.5883, 83.7327, 52.0644

Protanopia

78.1434, 83.9295, 52.1258

Deuteranopia

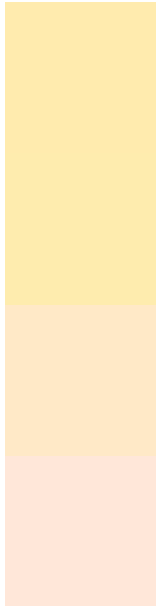
82.1069, 83.7773, 74.7939



Tritanopia

85.1365, 83.6495, 94.8779

Trichromacy



Original Color

78.5883, 83.7327, 52.0644

Protanomaly

78.5085, 84.1177, 52.1429

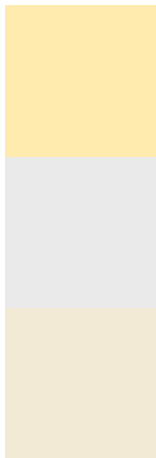
Deuteranomaly

80.6877, 83.6613, 65.9284

Tritanomaly

82.3403, 83.4216, 77.4078

Monochromacy



Original Color

78.5883, 83.7327, 52.0644

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9244, 82.4763, 74.0998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5883, 83.7327, 52.0644 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, 235, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 174)  
}
```

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, 235, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 174) }
```

Border

The CSS property to change the border of an element to XYZ 78.5883, 83.7327, 52.0644 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, 235, 174) }
```


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

```
.border{ border-color:rgb(255, 235, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5883, 83.7327, 52.0644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 174) }
```

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

```
.background{ background-color: rgb(255,  
235, 174) }
```

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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