

Converting Colors

XYZ(84.2436, 95.5800, 56.3972)

Have a look what the booklet for
XYZ(84.2436, 95.5800, 56.3972)
contains.

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Color

**XYZ(84.4047, 95.6573,
56.6629)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>FDFFB3</code>
RGB	<code>253, 255, 179</code>
RGB Percent	<code>99%, 100%, 70%</code>
CMY	<code>0.0078, 0.0000, 0.2980</code>
CMYK	<code>0.01, 0.00, 0.30, 0.00</code>
HSL	<code>62°, 100%, 85%</code>
HSV	<code>62°, 30%, 100%</code>
XYZ	<code>84.4047, 95.6573, 56.6629</code>
YIQ	<code>245.7380, 23.2040, -24.0600</code>

Conversions

Conversions Part 2

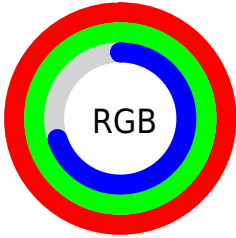
Format	Color
RYB	179, 255, 181
Decimal	16646067
CIELab	98.30, -12.06, 36.19
CIELCh	98, 38.148, 108.429
Yxy	95.6573, 0.3566, 0.4041
Android (android.graphics.Color)	4294836147 (0xFFFFDFFB3)
YUV	245.7380, -32.9018, 6.3688
Hunter-Lab	97.8045, -17.1136, 34.1136

Details

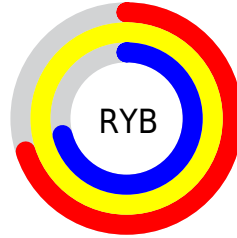
The XYZ color **84.4047, 95.6573, 56.6629** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.2271, 49.2852, 101.3154**, and the grayscale version is **87.6290, 92.1925, 100.3977**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **46.4014, 53.4709, 27.2773** is the 20% darker color. If you saturate the color by 10%, you get **81.8156, 94.5935, 44.3013**, and if you desaturate by 10%, it is **87.4723, 96.9126, 71.5389**.

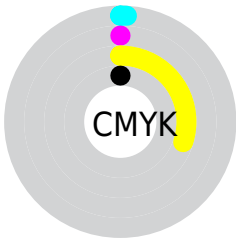
Distribution



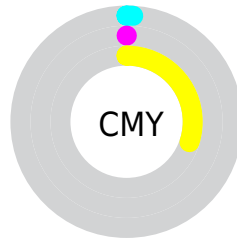
- Red (99%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (71%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4047, 95.6573, 56.6629 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 84.4047, 95.6573, 56.6629 by changing the saturation by 10% instead.


 84.4047, 95.6573,
56.6629

 84.4047, 95.6573,
56.6629


498.1696,
546.2671, 429.6433

 63.6705, 72.6822,
40.3271


 138.4595,
155.1724, 101.4686

 46.6445, 53.7161,
27.4779


172.5107,
192.4811, 130.7756

 32.9615, 38.3748,
17.6969


211.7317,
235.3365, 165.2433

 22.2560, 26.2737,
10.5654

256.4877,
284.1229, 205.2905

 14.1628, 17.0285,
5.6649

307.1441,
339.2248, 251.3355

 8.3164, 10.2548,
2.5770

364.0664,

 4.3516, 5.5682,

401.0266, 303.7969

0.8805

427.6197,
469.9125, 363.0933

■ 1.9029, 2.5844,
0.0000

■ 0.5785, 0.9188,
0.0000

■ 84.4047, 95.6573,
56.6629

■ 84.4047, 95.6573,
56.6629

■ 81.8156, 94.5935,
44.3013

■ 87.4723, 96.9126,
71.5389

■ 79.6777, 93.7103,
34.3113

■ 91.0417, 98.3688,
89.0534

■ 77.9624, 92.9962,
26.5424

95.0500, 100.0000,
108.9000

■ 76.6375, 92.4384,
20.8248

■ 75.6661, 92.0220,
16.9644

■ 75.0043, 91.7297,
14.7299

■ 74.5819, 91.5331,
13.7512

■ 74.5744, 91.5296,
13.7365

Harmonies

Analogous

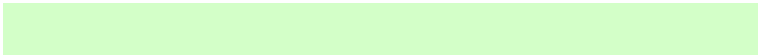
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2220, 95.6573, 55.4240



84.4047, 95.6573, 56.6629



76.0161, 95.6573, 68.9529

Triad

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



84.4047, 95.6573, 56.6629



77.6126, 95.6573, 156.2775



113.2200, 95.6573, 116.7645

Complementary

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



84.4047, 95.6573, 56.6629



53.2271, 49.2852, 101.3154

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.



107.6534, 95.6573, 149.6674



84.4047, 95.6573, 56.6629



86.7484, 95.6573, 175.3616

Square

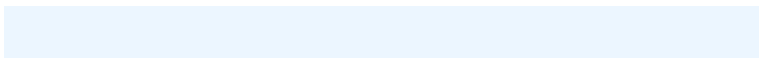
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4047, 95.6573, 56.6629



72.3179, 95.6573, 124.4705



97.7610, 95.6573, 172.7245



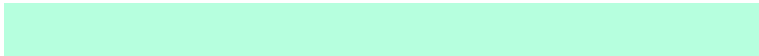
112.4648, 95.6573, 86.1790

Rectangle

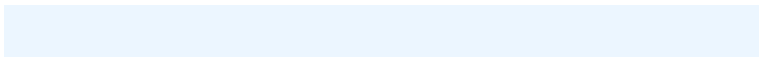
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4047, 95.6573, 56.6629



72.6585, 95.6573, 83.4612



97.7610, 95.6573, 172.7245



112.0090, 95.6573, 128.0134

Sweetspot

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



84.4051, 95.6575, 56.6642



91.3508, 98.4947, 90.5778



65.7526, 57.2660, 50.2370



19.4335, 21.0333, 18.7989



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

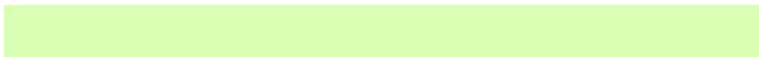
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4051, 95.6575, 56.6642



82.7457, 94.9763, 48.7154



72.1375, 89.3333, 56.0901



19.5112, 21.0649, 19.1819



38.9880, 47.8371, 7.1786



3.8105, 4.6651, 0.6996

Inverse Universe

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



53.2271, 49.2852, 101.3154



46.8281, 41.5510, 100.1598



63.1642, 54.4079, 101.7804



17.0472, 17.4005, 22.7101



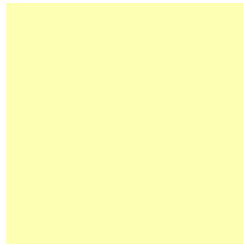
9.4945, 3.8051, 49.6686



0.9393, 0.3781, 4.8368

Previews

White Background



This preview shows how the XYZ color 84.4047, 95.6573, 56.6629 looks on a white background.

Color Contrast Check

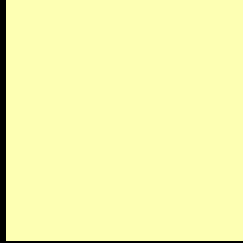
Large Text (above 18pt) WCAG AA × Fail

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 84.4047, 95.6573, 56.6629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

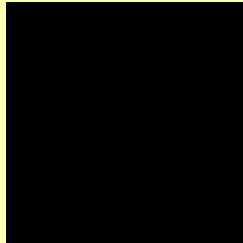
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.4047, 95.6573, 56.6629

Background



This preview shows how black text looks on a background with the XYZ color 84.4047, 95.6573, 56.6629.

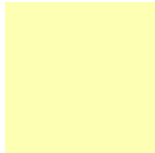


This preview shows how white text looks on a background with the XYZ color 84.4047, 95.6573,

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

84.4047, 95.6573, 56.6629

Protanopia

90.2769, 95.5717, 91.5310

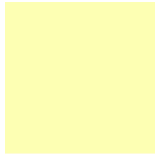
Deuteranopia

91.4448, 95.5430, 99.2099

Tritanopia

92.8574, 95.6148, 108.1691

Trichromacy



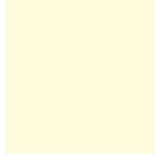
Original Color

84.4047, 95.6573, 56.6629



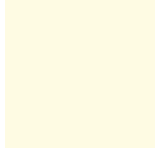
Protanomaly

87.8211, 95.5467, 77.4320



Deuteranomaly

88.2885, 95.2325, 81.4386



Tritanomaly

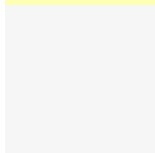
89.2354, 95.6112, 86.4247

Monochromacy



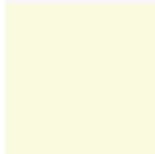
Original Color

84.4047, 95.6573, 56.6629



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.1274, 93.1650, 82.5505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4047, 95.6573, 56.6629 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(253, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 179)  
}
```

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(253, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 84.4047, 95.6573, 56.6629 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(253, 255, 179) }
```


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

```
.border{ border-color:rgb(253, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4047, 95.6573, 56.6629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 179) }
```

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

```
.background{ background-color: rgb(253,  
255, 179) }
```

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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