

Converting Colors

XYZ(83.9822, 94.3637, 54.3458)

Have a look what the booklet for
XYZ(83.9822, 94.3637, 54.3458)
contains.

XYZ(84.1031, 94.6057, 54.3855)	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(84.1031, 94.6057,
54.3855)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDAF
RGB	255, 253, 175
RGB Percent	100%, 99%, 69%
CMY	0.0000, 0.0078, 0.3137
CMYK	0.00, 0.01, 0.31, 0.00
HSL	59°, 100%, 84%
HSV	59°, 31%, 100%
XYZ	84.1031, 94.6057, 54.3855
YIQ	244.7060, 26.2300, -23.8340

Conversions

Conversions Part 2

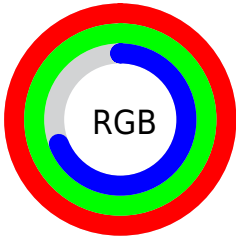
Format	Color
RYB	177, 255, 175
Decimal	16776623
CIELab	97.88, -10.82, 37.65
CIELCh	98, 39.176, 106.034
Yxy	94.6057, 0.3608, 0.4059
Android (android.graphics.Color)	4294966703 (0xFFFFFDAF)
YUV	244.7060, -34.3651, 9.0278
Hunter-Lab	97.2655, -15.8699, 34.9341

Details

The XYZ color **84.1031, 94.6057, 54.3855** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.4511, 47.7770, 101.1178**, and the grayscale version is **86.8095, 91.3303, 99.4587**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **46.2787, 52.7553, 26.1560** is the 20% darker color. If you saturate the color by 10%, you get **81.6321, 93.3002, 42.3509**, and if you desaturate by 10%, it is **87.0525, 96.1103, 68.9150**.

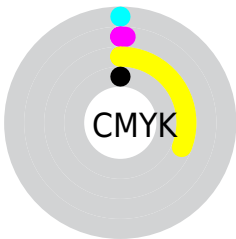
Distribution



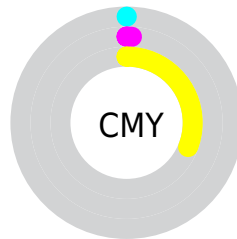
- Red (100%)
- Green (99%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.1031, 94.6057, 54.3855 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 84.1031, 94.6057, 54.3855 by changing the saturation by 10% instead.

 84.1031, 94.6057,
54.3855

 84.1031, 94.6057,
54.3855


497.1840,
542.9019, 420.7944

 63.4206, 71.8068,
38.5147


 138.0399,
153.7198, 98.1021

 46.4414, 53.0009,
26.0775


172.0249,
190.8037, 126.7850

 32.8004, 37.8035,
16.6553


211.1747,
233.4182, 160.5757

 22.1321, 25.8302,
9.8297

255.8547,
281.9476, 199.8927

 14.0711, 16.6967,
5.1821

306.4303,
336.7763, 245.1545

 8.2522, 10.0185,
2.2939

363.2668,

 4.3099, 5.4112,

398.2886, 296.7797

0.7278

426.7296,
466.8690, 355.1868

■ 1.8789, 2.4905,
0.0000

■ 0.5645, 0.8719,
0.0000

■ 84.1031, 94.6057,
54.3855

■ 84.1031, 94.6057,
54.3855

■ 81.6321, 93.3002,
42.3509

■ 87.0525, 96.1103,
68.9150

■ 79.6057, 92.1703,
32.6646

■ 90.4977, 97.8110,
86.0630

■ 77.9970, 91.2084,
25.1742

■ 94.4641, 99.7212,
105.9520

■ 76.7729, 90.4016,
19.7067

■ 95.0500, 100.0000,
108.9000

■ 75.8959, 89.7346,
16.0632

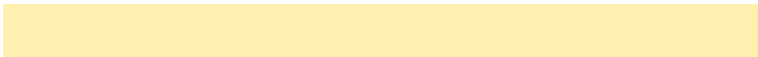
■ 75.3205, 89.1893,
14.0046

■ 75.0063, 88.7926,
13.1854

Harmonies

Analogous

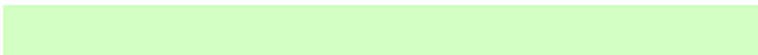
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2168, 94.6057, 54.0100



84.1031, 94.6057, 54.3855



75.2965, 94.6057, 65.8585

Triad

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



84.1031, 94.6057, 54.3855



75.7859, 94.6057, 154.0692



112.4738, 94.6057, 118.6190

Complementary

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



84.1031, 94.6057, 54.3855



51.4511, 47.7770, 101.1178

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.



106.3236, 94.6057, 152.0198



84.1031, 94.6057, 54.3855



84.8232, 94.6057, 175.1825

Square

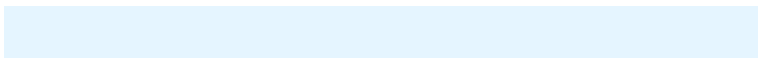
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1031, 94.6057, 54.3855



70.7739, 94.6057, 120.9970



95.9989, 94.6057, 174.3629



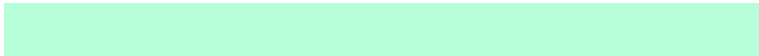
112.2404, 94.6057, 86.8994

Rectangle

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



84.1031, 94.6057, 54.3855



71.6458, 94.6057, 79.9385



95.9989, 94.6057, 174.3629



111.0637, 94.6057, 130.1404

Sweetspot

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



84.1055, 94.6100, 54.3875



91.3904, 98.2447, 90.5275



64.5732, 55.1220, 49.1818



19.4433, 20.9712, 18.7864



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

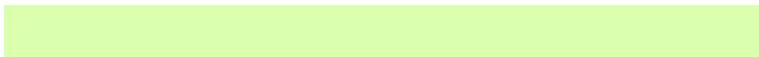
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1055, 94.6100, 54.3875



82.4147, 93.7211, 46.1392



72.3123, 89.4695, 54.0168



19.5201, 21.0084, 19.1705



39.2099, 46.4311, 6.8955



3.8295, 4.5445, 0.6753

Inverse Universe

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



51.4511, 47.7770, 101.1178



44.8304, 39.8197, 99.9309



60.6284, 51.9278, 101.4353



17.0393, 17.4502, 22.7201



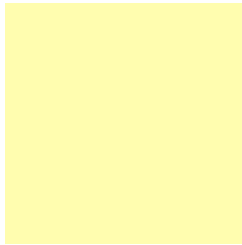
9.4832, 3.8761, 49.6829



0.9356, 0.4018, 4.8415

Previews

White Background



This preview shows how the XYZ color 84.1031, 94.6057, 54.3855 looks on a white background.

Color Contrast Check

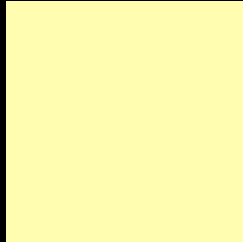
Large Text (above 18pt) WCAG AA × Fail

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 84.1031, 94.6057, 54.3855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

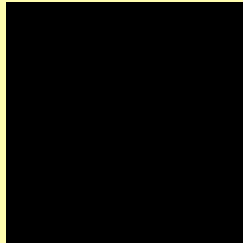
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.1031, 94.6057, 54.3855

Background



This preview shows how black text looks on a background with the XYZ color 84.1031, 94.6057, 54.3855.

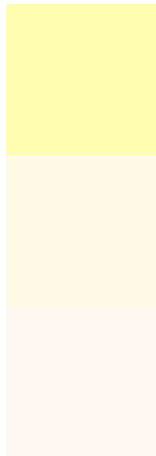


This preview shows how white text looks on a background with the XYZ color 84.1031, 94.6057,

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

84.1031, 94.6057, 54.3855

Protanopia

89.2585, 94.6685, 87.6972

Deuteranopia

90.8344, 94.8056, 97.5162



Tritanopia

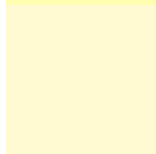
91.9254, 94.2634, 106.2782

Trichromacy



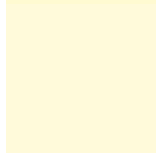
Original Color

84.1031, 94.6057, 54.3855



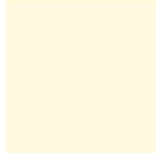
Protanomaly

86.9342, 94.2347, 73.9288



Deuteranomaly

88.0805, 94.6932, 79.9649



Tritanomaly

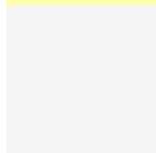
88.7063, 94.4476, 84.7891

Monochromacy



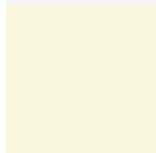
Original Color

84.1031, 94.6057, 54.3855



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.5526, 92.4418, 81.0441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.1031, 94.6057, 54.3855 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, 253, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 175)  
}
```

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, 253, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 175) }
```

Border

The CSS property to change the border of an element to XYZ 84.1031, 94.6057, 54.3855 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, 253, 175) }
```


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

```
.border{ border-color:rgb(255, 253, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 84.1031, 94.6057, 54.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 175) }
```

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

```
.background{ background-color: rgb(255,  
253, 175) }
```

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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