

Converting Colors

XYZ(96.5040, 100.0000,
54.7967)

Have a look what the booklet for
XYZ(96.5040, 100.0000, 54.7967)
contains.

XYZ(83.4750, 93.3495, 54.1761)	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(83.4750, 93.3495,
54.1761)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBAF
RGB	255, 251, 175
RGB Percent	100%, 98%, 69%
CMY	0.0000, 0.0157, 0.3137
CMYK	0.00, 0.02, 0.31, 0.00
HSL	57°, 100%, 84%
HSV	57°, 31%, 100%
XYZ	83.4750, 93.3495, 54.1761
YIQ	243.5320, 26.7800, -22.7880

Conversions

Conversions Part 2

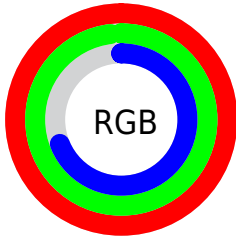
Format	Color
RYB	179, 255, 175
Decimal	16776111
CIELab	97.37, -9.84, 36.98
CIELCh	97, 38.268, 104.895
Yxy	93.3495, 0.3614, 0.4041
Android (android.graphics.Color)	4294966191 (0xFFFFFBAF)
YUV	243.5320, -33.7863, 10.0574
Hunter-Lab	96.6175, -14.8614, 34.3868

Details

The XYZ color **83.4750, 93.3495, 54.1761** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.8490, 48.5728, 101.2505**, and the grayscale version is **85.8635, 90.3350, 98.3749**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **46.0539, 52.3057, 26.0811** is the 20% darker color. If you saturate the color by 10%, you get **80.8079, 91.6518, 42.0761**, and if you desaturate by 10%, it is **86.6224, 95.2502, 68.7716**.

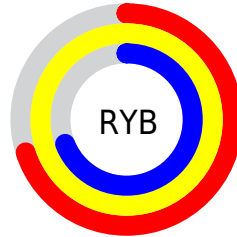
Distribution



Red (100%)

Green (98%)

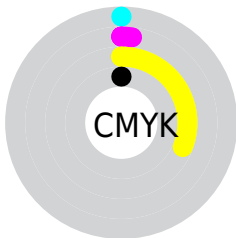
Blue (69%)



Red (70%)

Yellow (100%)

Blue (69%)

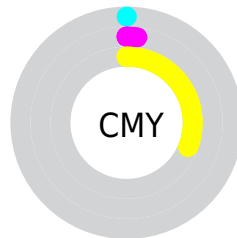


Cyan (0%)

Magenta (2%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4750, 93.3495, 54.1761 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 83.4750, 93.3495, 54.1761 by changing the saturation by 10% instead.


 83.4750, 93.3495,
54.1761

 83.4750, 93.3495,
54.1761


495.1282,
538.8675, 419.9748

 62.9003, 70.7620,
38.3483


 137.1656,
151.9824, 97.7918

 46.0189, 52.1480,
25.9492


171.0123,
188.7966, 126.4168

 32.4654, 37.1231,
16.5602


210.0136,
231.1219, 160.1446

 21.8745, 25.3028,
9.7628

254.5350,
279.3425, 199.3937

 13.8808, 16.3028,
5.1384

304.9418,
333.8430, 244.5828

 8.1190, 9.7387,
2.2686

361.5994,

 4.2236, 5.2260,

395.0078, 296.1303

0.7135

424.8731,
463.2211, 354.4548

■ 1.8294, 2.3805,
0.0000

■ 0.5353, 0.8158,
0.0000

■ 83.4750, 93.3495,
54.1761

■ 83.4750, 93.3495,
54.1761

■ 80.8079, 91.6518,
42.0761

■ 86.6224, 95.2502,
68.7716

■ 78.5875, 90.1337,
32.3252

■ 90.2678, 97.3510,
85.9863

■ 76.7866, 88.7878,
24.7707

■ 94.4363, 99.6654,
105.9427

■ 75.3725, 87.6008,
19.2398

■ 95.0500, 100.0000,
108.9000

■ 74.3075, 86.5576,
15.5337

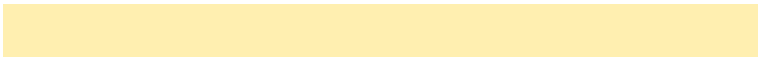
■ 73.5460, 85.6402,
13.4131

■ 73.0727, 84.9255,
12.5409

Harmonies

Analogous

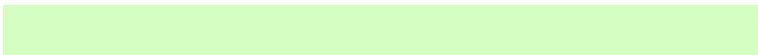
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2697, 93.3495, 54.2135



83.4750, 93.3495, 54.1761



74.8116, 93.3495, 64.9450

Triad

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



83.4750, 93.3495, 54.1761



74.7632, 93.3495, 149.8680



110.4107, 93.3495, 118.0063

Complementary

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



83.4750, 93.3495, 54.1761



51.8490, 48.5728, 101.2505

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.



104.2666, 93.3495, 150.0694



83.4750, 93.3495, 54.1761



83.4038, 93.3495, 170.8583

Square

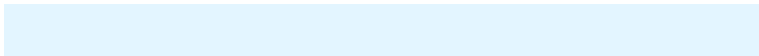
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4750, 93.3495, 54.1761



70.0673, 93.3495, 117.7719



94.1925, 93.3495, 170.9388



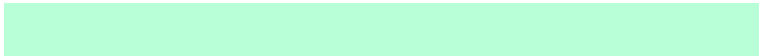
110.4336, 93.3495, 87.0560

Rectangle

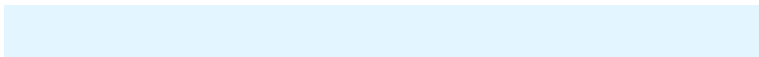
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4750, 93.3495, 54.1761



71.1570, 93.3495, 78.3582



94.1925, 93.3495, 170.9388



108.9719, 93.3495, 129.1334

Sweetspot

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



83.4773, 93.3537, 54.1781



91.2082, 97.8802, 90.4668



64.7074, 55.1757, 49.8886



19.3981, 20.8806, 18.7713



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

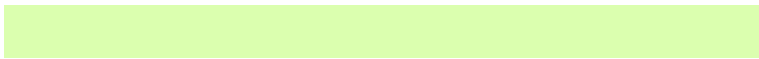
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4773, 93.3537, 54.1781



81.6564, 92.2045, 45.8864



72.7119, 89.6755, 54.0355



19.4790, 20.9261, 19.1568



38.2160, 44.4432, 6.5642



3.7439, 4.3731, 0.6468

Inverse Universe

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



51.8490, 48.5728, 101.2505



45.2563, 40.6713, 100.0728



60.2448, 51.7300, 101.4174



17.0757, 17.5231, 22.7323



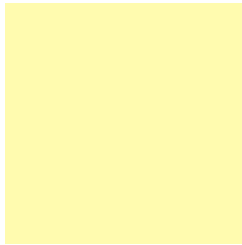
9.5351, 3.9799, 49.7002



0.9529, 0.4364, 4.8473

Previews

White Background



This preview shows how the XYZ color 83.4750, 93.3495, 54.1761 looks on a white background.

Color Contrast Check

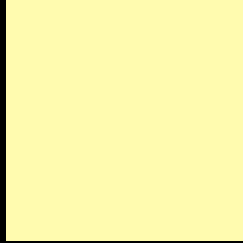
Large Text (above 18pt) WCAG AA × Fail

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 83.4750, 93.3495, 54.1761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

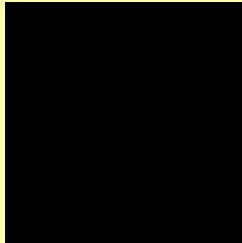
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.4750, 93.3495, 54.1761

Background



This preview shows how black text looks on a background with the XYZ color 83.4750, 93.3495, 54.1761.

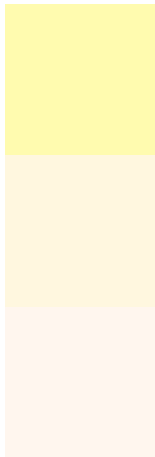


This preview shows how white text looks on a background with the XYZ color 83.4750, 93.3495,

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

83.4750, 93.3495, 54.1761

Protanopia

87.8200, 93.1092, 83.1553

Deuteranopia

89.6284, 93.3446, 94.1823



Tritanopia

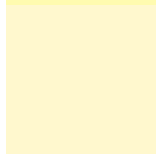
91.1614, 92.9896, 105.2395

Trichromacy



Original Color

83.4750, 93.3495, 54.1761



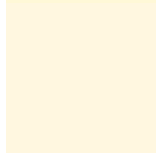
Protanomaly

85.9480, 92.8510, 71.7846



Deuteranomaly

87.0731, 93.3011, 77.7096



Tritanomaly

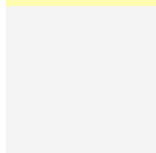
87.9553, 93.1633, 83.8676

Monochromacy



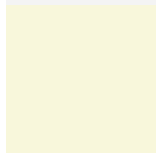
Original Color

83.4750, 93.3495, 54.1761



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.7583, 91.5925, 80.2297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4750, 93.3495, 54.1761 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, 251, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 175) }
```

Border

The CSS property to change the border of an element to XYZ 83.4750, 93.3495, 54.1761 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, 251, 175) }
```


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

```
.border{ border-color:rgb(255, 251, 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, 251, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4750, 93.3495, 54.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 175) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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