

Converting Colors

XYZ(96.9298, 100.0000,
54.5203)

Have a look what the booklet for
XYZ(96.9298, 100.0000, 54.5203)
contains.

XYZ(83.1635, 92.7264, 54.0722)	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(83.1635, 92.7264,
54.0722)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFAAF
RGB	255, 250, 175
RGB Percent	100%, 98%, 69%
CMY	0.0000, 0.0196, 0.3137
CMYK	0.00, 0.02, 0.31, 0.00
HSL	56°, 100%, 84%
HSV	56°, 31%, 100%
XYZ	83.1635, 92.7264, 54.0722
YIQ	242.9450, 27.0550, -22.2650

Conversions

Conversions Part 2

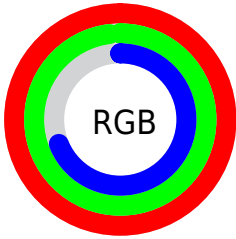
Format	Color
RYB	180, 255, 175
Decimal	16775855
CIELab	97.12, -9.34, 36.65
CIELCh	97, 37.820, 104.303
Yxy	92.7264, 0.3616, 0.4032
Android (android.graphics.Color)	4294965935 (0xFFFFFAAF)
YUV	242.9450, -33.4969, 10.5722
Hunter-Lab	96.2945, -14.3563, 34.1131

Details

The XYZ color **83.1635, 92.7264, 54.0722** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.0501, 48.9750, 101.3175**, and the grayscale version is **85.3927, 89.8398, 97.8355**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **45.8306, 51.8590, 26.0066** is the 20% darker color. If you saturate the color by 10%, you get **80.4001, 90.8362, 41.9401**, and if you desaturate by 10%, it is **86.4085, 94.8224, 68.7003**.

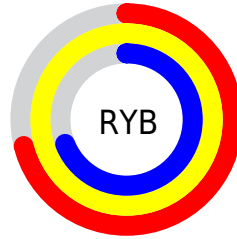
Distribution



Red (100%)

Green (98%)

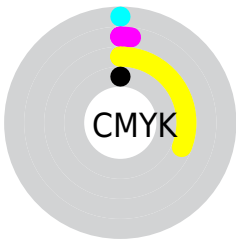
Blue (69%)



Red (71%)

Yellow (100%)

Blue (69%)

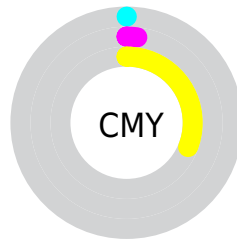


Cyan (0%)

Magenta (2%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.1635, 92.7264, 54.0722 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 83.1635, 92.7264, 54.0722 by changing the saturation by 10% instead.


 83.1635, 92.7264,
54.0722

 83.1635, 92.7264,
54.0722


494.1070,
536.8604, 419.5677

 62.6424, 70.2441,
38.2658


 136.7318,
151.1198, 97.6377

 45.8095, 51.7256,
25.8856


170.5097,
187.7996, 126.2339

 32.2995, 36.7864,
16.5131


209.4372,
229.9808, 159.9305

 21.7471, 25.0421,
9.7297

253.8797,
278.0477, 199.1460

 13.7867, 16.1085,
5.1168

304.2026,
332.3847, 244.2989

 8.0532, 9.6009,
2.2560

360.7712,

 4.1811, 5.1352,

393.3763, 295.8078

0.7064

423.9509,
461.4067, 354.0912

■ 1.8051, 2.3268,
0.0000

■ 0.5207, 0.7878,
0.0000

■ 83.1635, 92.7264,
54.0722

■ 83.1635, 92.7264,
54.0722

■ 80.4001, 90.8362,
41.9401

■ 86.4085, 94.8224,
68.7003

■ 78.0850, 89.1287,
32.1576

■ 90.1531, 97.1217,
85.9480

■ 76.1909, 87.5963,
24.5721

■ 94.4223, 99.6375,
105.9379

■ 74.6851, 86.2259,
19.0107

■ 95.0500, 100.0000,
108.9000

■ 73.5297, 85.0022,
15.2744

■ 72.6795, 83.9072,
13.1243

■ 72.1308, 83.0416,
12.2269

Harmonies

Analogous

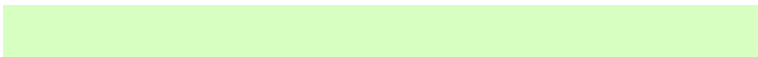
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7999, 92.7264, 54.3167



83.1635, 92.7264, 54.0722



74.5711, 92.7264, 64.4914

Triad

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



83.1635, 92.7264, 54.0722



74.2557, 92.7264, 147.7953



109.3891, 92.7264, 117.7034

Complementary

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



83.1635, 92.7264, 54.0722



52.0501, 48.9750, 101.3175

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.



103.2484, 92.7264, 149.1028



83.1635, 92.7264, 54.0722



82.7004, 92.7264, 168.7231

Square

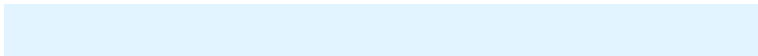
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1635, 92.7264, 54.0722



69.7165, 92.7264, 116.1800



93.2980, 92.7264, 169.2448



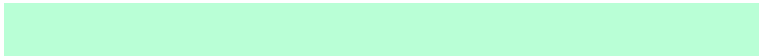
109.5384, 92.7264, 87.1369

Rectangle

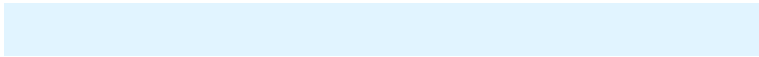
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1635, 92.7264, 54.0722



70.9145, 92.7264, 77.5754



93.2980, 92.7264, 169.2448



107.9363, 92.7264, 128.6345

Sweetspot

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



83.1658, 92.7305, 54.0741



91.1173, 97.6984, 90.4365



64.8429, 55.2298, 50.6023



19.3755, 20.8354, 18.7638



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

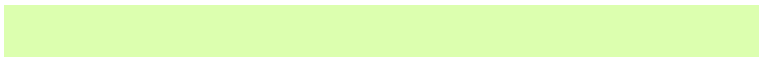
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1658, 92.7305, 54.0741



81.2809, 91.4535, 45.7612



73.1146, 89.8831, 54.0543



19.4584, 20.8850, 19.1500



37.7315, 43.4743, 6.4027



3.7020, 4.2894, 0.6328

Inverse Universe

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



52.0501, 48.9750, 101.3175



45.4723, 41.1033, 100.1448



59.8643, 51.5338, 101.3996



17.0940, 17.5596, 22.7383



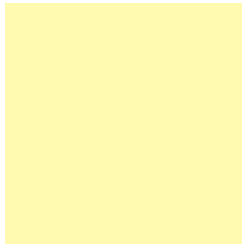
9.5622, 4.0340, 49.7092



0.9615, 0.4537, 4.8502

Previews

White Background



This preview shows how the XYZ color 83.1635, 92.7264, 54.0722 looks on a white background.

Color Contrast Check

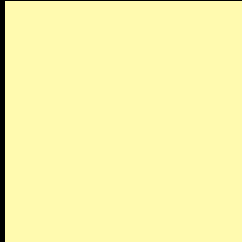
Large Text (above 18pt) WCAG AA × Fail

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 83.1635, 92.7264, 54.0722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

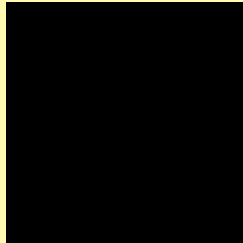
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.1635, 92.7264, 54.0722

Background



This preview shows how black text looks on a background with the XYZ color 83.1635, 92.7264, 54.0722.



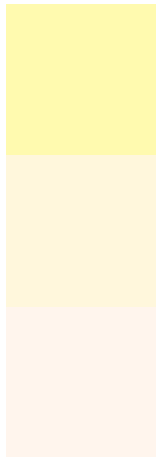
This preview shows how white text looks on a background with the XYZ color 83.1635, 92.7264,

54.0722.

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

83.1635, 92.7264, 54.0722

Protanopia

87.4190, 92.9488, 81.0436

Deuteranopia

89.1785, 92.6792, 93.3094



Tritanopia

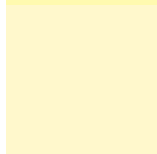
90.8613, 92.3895, 105.1395

Trichromacy



Original Color

83.1635, 92.7264, 54.0722



Protanomaly

85.7065, 92.7544, 70.5129



Deuteranomaly

86.6384, 92.6366, 76.9326



Tritanomaly

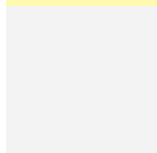
87.6503, 92.5534, 83.7659

Monochromacy



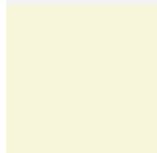
Original Color

83.1635, 92.7264, 54.0722



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.9684, 90.7476, 79.4201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1635, 92.7264, 54.0722 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, 250, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 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, 250, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 175) }
```

Border

The CSS property to change the border of an element to XYZ 83.1635, 92.7264, 54.0722 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, 250, 175) }
```


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

```
.border{ border-color:rgb(255, 250, 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, 250, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1635, 92.7264, 54.0722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 175) }
```

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

```
.background{ background-color: rgb(255,  
250, 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](#).

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