

Converting Colors

XYZ(83.8392, 92.4403, 66.6510)

Have a look what the booklet for
XYZ(83.8392, 92.4403, 66.6510)
contains.

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Color

**XYZ(83.8524, 92.3378,
66.8296)**

Conversions

Conversions Part 1

Format	Color
Hex	FBF9C6
RGB	251, 249, 198
RGB Percent	98%, 98%, 78%
CMY	0.0157, 0.0235, 0.2235
CMYK	0.00, 0.01, 0.21, 0.02
HSL	58°, 87%, 88%
HSV	58°, 21%, 98%
XYZ	83.8524, 92.3378, 66.8296
YIQ	243.7840, 17.5630, -15.4370

Conversions

Conversions Part 2

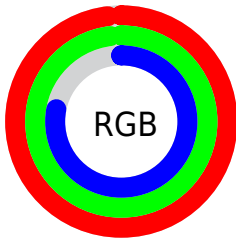
Format	Color
R_{YB}	200, 251, 198
Decimal	16513478
CIE _{Lab}	96.96, -7.34, 24.79
CIE _{LCh}	97, 25.853, 106.504
Yxy	92.3378, 0.3450, 0.3800
Android (android.graphics.Color)	4294703558 (0xFFFBF9C6)
YUV	243.7840, -22.5715, 6.3284
Hunter-Lab	96.0926, -12.3991, 26.0303

Details

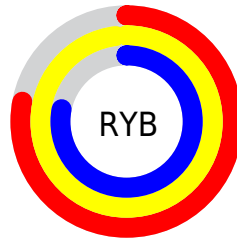
The XYZ color **83.8524, 92.3378, 66.8296** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.3554, 60.2781, 99.6684**, and the grayscale version is **85.9834, 90.4612, 98.5122**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3521, 51.6229, 33.9067** is the 20% darker color. If you saturate the color by 10%, you get **80.9036, 90.6955, 52.7274**, and if you desaturate by 10%, it is **87.2873, 94.1832, 83.4630**.

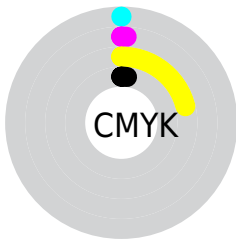
Distribution



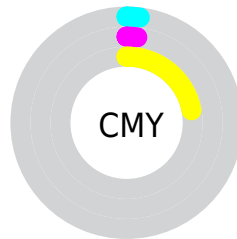
- Red (98%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (2%)





- Cyan (2%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8524, 92.3378, 66.8296 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 83.8524, 92.3378, 66.8296 by changing the saturation by 10% instead.


 83.8524, 92.3378,
66.8296

 83.8524, 92.3378,
66.8296

496.3640,
535.6066, 467.8230

 63.2129, 69.9212,
48.4854


137.6910,
150.5815, 116.3145

 46.2727, 51.4623,
33.8488


171.6208,
187.1774, 148.2924

 32.6666, 36.5767,
22.5010


210.7114,
229.2685, 185.6519

 22.0292, 24.8799,
14.0237

255.3282,
277.2393, 228.8116

 13.9951, 15.9876,
7.9982

305.8365,
331.4741, 278.1900

 8.1989, 9.5154,
4.0060

362.6017,

 4.2754, 5.0788,

392.3574, 334.2057

1.6287

425.9891,
460.2734, 397.2771

■ 1.8591, 2.2936,
0.3111

■ 0.5529, 0.7703,
0.0000

■ 83.8524, 92.3378,
66.8296

■ 83.8524, 92.3378,
66.8296

■ 80.9036, 90.6955,
52.7274

■ 87.2873, 94.1832,
83.4630

■ 78.4102, 89.2345,
41.0262

■ 91.2231, 96.2282,
102.7375

■ 76.3487, 87.9486,
31.5930

■ 92.5940, 97.2496,
108.4986

■ 74.6912, 86.8267,
24.2795

■ 92.8911, 97.8438,
108.5976

■ 73.4061, 85.8560,
18.9200

■ 93.1897, 98.4410,
108.6971

■ 72.4573, 85.0222,
15.3240

■ 93.4898, 99.0412,
108.7972

■ 71.8013, 84.3079,
13.2631

■ 93.5939, 99.2493,
108.8319

■ 71.4038, 83.7492,
12.4018

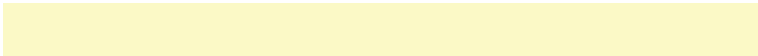
Harmonies

Analogous

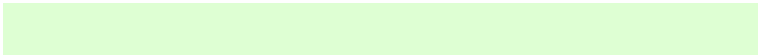
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0677, 92.3378, 66.4162



83.8524, 92.3378, 66.8296



78.0083, 92.3378, 75.4225

Triad

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



83.8524, 92.3378, 66.8296



78.4889, 92.3378, 132.4718



102.0726, 92.3378, 110.1771

Complementary

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



83.8524, 92.3378, 66.8296



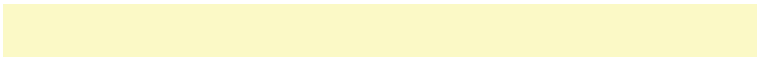
61.3554, 60.2781, 99.6684

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.



98.3016, 92.3378, 130.6940



83.8524, 92.3378, 66.8296



84.5418, 92.3378, 144.7151

Square

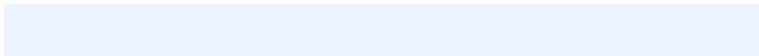
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8524, 92.3378, 66.8296



75.0307, 92.3378, 112.3486



91.7960, 92.3378, 144.0229



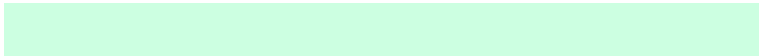
101.8628, 92.3378, 89.5896

Rectangle

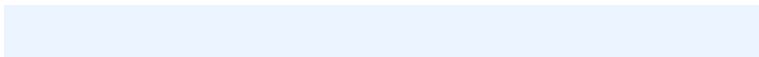
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8524, 92.3378, 66.8296



75.5573, 92.3378, 85.4070



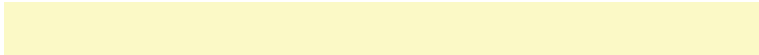
91.7960, 92.3378, 144.0229



101.2200, 92.3378, 117.3630

Sweetspot

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



83.8548, 92.3419, 66.8316



92.5002, 98.6867, 96.3778



70.4802, 65.0992, 63.8947



19.7419, 21.0934, 20.3502



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

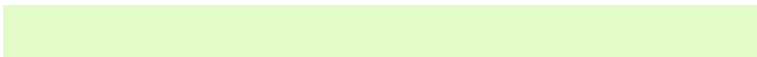
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8548, 92.3419, 66.8316



85.6710, 95.0315, 63.2622



76.4170, 89.4276, 66.6611



18.6681, 20.0721, 18.3528



37.5579, 44.0724, 6.5273



3.4955, 4.1158, 0.6102

Inverse Universe

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



61.3554, 60.2781, 99.6684



58.8125, 56.7563, 102.4630



67.6860, 62.8604, 99.8331



16.3354, 16.7476, 21.7569



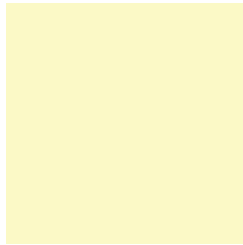
9.2298, 3.8153, 48.2235



0.8727, 0.3891, 4.4723

Previews

White Background



This preview shows how the XYZ color 83.8524, 92.3378, 66.8296 looks on a white background.

Color Contrast Check

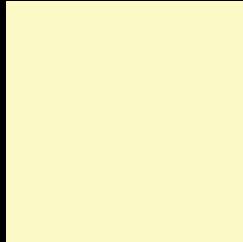
Large Text (above 18pt) WCAG AA × Fail

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 83.8524, 92.3378, 66.8296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

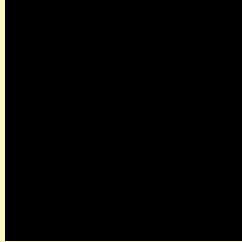
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.8524, 92.3378, 66.8296

Background



This preview shows how black text looks on a background with the XYZ color 83.8524, 92.3378, 66.8296.

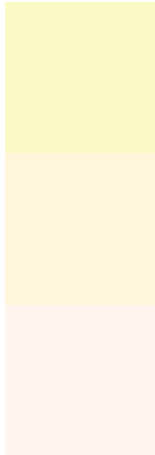


This preview shows how white text looks on a background with the XYZ color 83.8524, 92.3378,

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

83.8524, 92.3378, 66.8296

Protanopia

87.1140, 92.3388, 80.9419

Deuteranopia

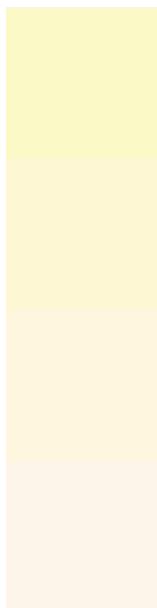
89.0233, 92.1344, 93.9806



Tritanopia

91.3406, 92.5812, 107.6635

Trichromacy



Original Color

83.8524, 92.3378, 66.8296

Protanomaly

86.0175, 92.3458, 75.5783

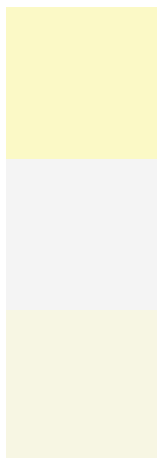
Deuteranomaly

87.1481, 92.3101, 83.0365

Tritanomaly

88.3767, 92.3162, 91.0027

Monochromacy



Original Color

83.8524, 92.3378, 66.8296

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.1787, 91.2317, 85.7931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8524, 92.3378, 66.8296 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(251, 249, 198)` looks like.

```
.text, #text, p{  
    color:rgb(251, 249, 198)  
}
```

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(251, 249, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 249, 198) }
```

Border

The CSS property to change the border of an element to XYZ 83.8524, 92.3378, 66.8296 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(251, 249, 198) }
```


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

```
.border{ border-color:rgb(251, 249, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 249, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 249, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 249, 198); box-shadow:4px 4px 4px 4px rgb(251, 249, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8524, 92.3378, 66.8296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 249, 198) }
```

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

```
.background{ background-color: rgb(251,  
249, 198) }
```

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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