

# Converting Colors

XYZ(83.0866, 92.0154, 55.7648)

Have a look what the booklet for  
XYZ(83.0866, 92.0154, 55.7648)  
contains.

<b>XYZ(83.2524, 92.2660, 56.0691)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(83.2524, 92.2660,  
56.0691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9B3
RGB	255, 249, 179
RGB Percent	100%, 98%, 70%
CMY	0.0000, 0.0235, 0.2980
CMYK	0.00, 0.02, 0.30, 0.00
HSL	55°, 100%, 85%
HSV	55°, 30%, 100%
XYZ	83.2524, 92.2660, 56.0691
YIQ	242.8140, 26.0460, -20.4980

# Conversions

## Conversions Part 2

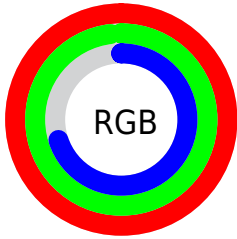
Format	Color
R <sub>Y</sub> B	186, 255, 179
Decimal	16775603
CIE Lab	96.93, -8.36, 34.40
CIE LCh	97, 35.401, 103.667
Yxy	92.2660, 0.3595, 0.3984
Android (android.graphics.Color)	4294965683 (0xFFFFF9B3)
YUV	242.8140, -31.4603, 10.6871
Hunter-Lab	96.0552, -13.3881, 32.6300

# Details

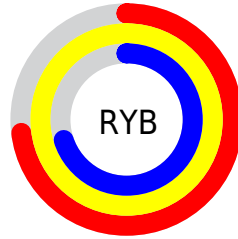
The XYZ color **83.2524, 92.2660, 56.0691** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.9891, 51.5003, 101.7028**, and the grayscale version is **85.2732, 89.7140, 97.6986**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **45.8618, 51.5166, 27.2652** is the 20% darker color. If you saturate the color by 10%, you get **80.2907, 90.0952, 43.5134**, and if you desaturate by 10%, it is **86.7021, 94.6491, 71.1426**.

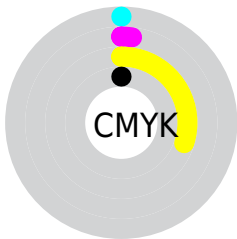
# Distribution



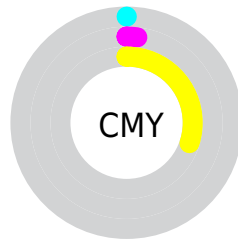
- Red (100%)
- Green (98%)
- Blue (70%)



- Red (73%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (2%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2524, 92.2660, 56.0691 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 83.2524, 92.2660, 56.0691 by changing the saturation by 10% instead.





 83.2524, 92.2660,  
56.0691

 83.2524, 92.2660,  
56.0691


494.3985,  
535.3748, 427.3475

 62.7160, 69.8616,  
39.8540


 136.8556,  
150.4820, 100.5924

 45.8693, 51.4137,  
27.1118


170.6531,  
187.0624, 129.7376

 32.3469, 36.5380,  
17.4240


209.6017,  
229.1369, 164.0300

 21.7834, 24.8500,  
10.3721

254.0668,  
277.0899, 203.8880

 13.8136, 15.9653,  
5.5376

304.4136,  
331.3058, 249.7302

 8.0719, 9.4996,  
2.5018

361.0076,

 4.1932, 5.0685,

392.1690, 301.9752

0.8411

424.2142,  
460.0639, 361.0414

■ 1.8120, 2.2875,  
0.0000

■ 0.5249, 0.7671,  
0.0000

■ 83.2524, 92.2660,  
56.0691

■ 83.2524, 92.2660,  
56.0691

■ 80.2907, 90.0952,  
43.5134

■ 86.7021, 94.6491,  
71.1426

■ 77.7841, 88.1139,  
33.3309

■ 90.6576, 97.2419,  
88.8561

■ 75.7058, 86.3144,  
25.3716

95.0500, 100.0000,  
108.9000

■ 74.0237, 84.6840,  
19.4658

■ 72.7008, 83.2078,  
15.4193

■ 71.6933, 81.8682,  
13.0009

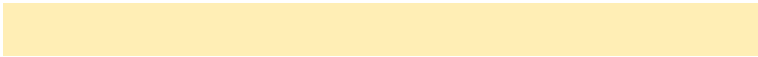
■ 70.9307, 80.6370,  
11.8405

■ 70.9166, 80.6133,  
11.8222

# Harmonies

## Analogous

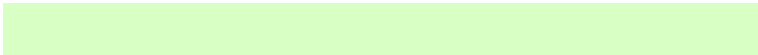
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1876, 92.2660, 56.5176



83.2524, 92.2660, 56.0691



75.1372, 92.2660, 65.8082

# Triad

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



83.2524, 92.2660, 56.0691



74.5708, 92.2660, 143.2465



107.3689, 92.2660, 116.6734

# Complementary

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



83.2524, 92.2660, 56.0691



53.9891, 51.5003, 101.7028

# 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.



101.5818, 92.2660, 145.5423



83.2524, 92.2660, 56.0691



82.4246, 92.2660, 162.7569

# Square

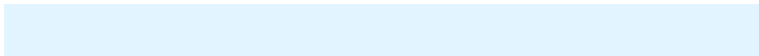
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2524, 92.2660, 56.0691



70.3871, 92.2660, 113.9737



92.2951, 92.2660, 163.6688



107.6328, 92.2660, 88.0627

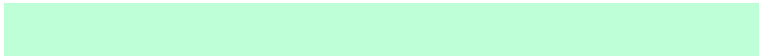


# Rectangle

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



83.2524, 92.2660, 56.0691



71.6413, 92.2660, 78.0623



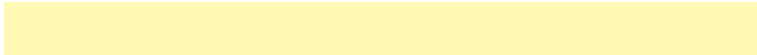
92.2951, 92.2660, 163.6688



105.9863, 92.2660, 126.7825

# Sweetspot

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



83.2546, 92.2701, 56.0710



90.9979, 97.4596, 90.3967



66.1530, 57.0181, 53.6038



19.3458, 20.7761, 18.7539



0.0000, 0.0000, 0.0000

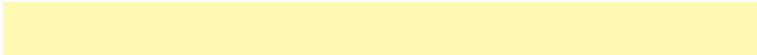


20.3446, 21.4041, 23.3091



# Same Dimension

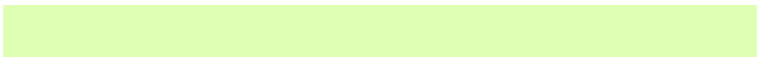
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2546, 92.2701, 56.0710



81.3625, 90.8989, 48.0013



74.4315, 90.5159, 56.1975



19.4314, 20.8311, 19.1410



37.1069, 42.2250, 6.1945



3.6479, 4.1811, 0.6148



# Inverse Universe

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



53.9891, 51.5003, 101.7028



47.6526, 43.9423, 100.5779



60.9395, 53.2611, 101.6763



17.1181, 17.6078, 22.7464



9.6035, 4.1166, 49.7230

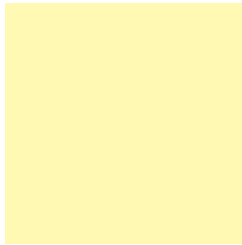


0.9729, 0.4765, 4.8540



# Previews

## White Background



This preview shows how the XYZ color 83.2524, 92.2660, 56.0691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

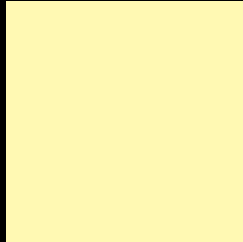
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2524, 92.2660, 56.0691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

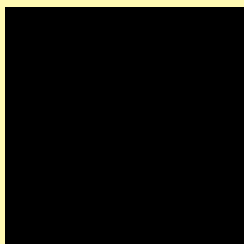
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.2524, 92.2660, 56.0691**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2524, 92.2660, 56.0691.



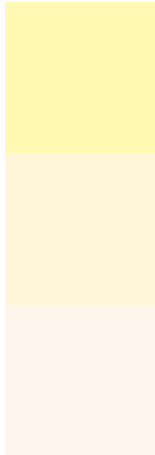
This preview shows how white text looks on a background with the XYZ color 83.2524, 92.2660,

56.0691.

# 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

83.2524, 92.2660, 56.0691

### Protanopia

86.8507, 92.2335, 79.5550

### Deuteranopia

88.7310, 92.0175, 92.4414



## Tritanopia

90.8613, 92.3895, 105.1395

# Trichromacy



## Original Color

83.2524, 92.2660, 56.0691



## Protanomaly

85.3998, 92.1412, 70.4107



## Deuteranomaly

86.4615, 92.0778, 77.5058



## Tritanomaly

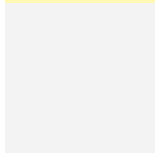
87.4830, 92.0011, 84.3813

# Monochromacy



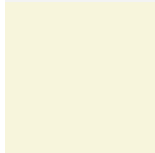
## Original Color

83.2524, 92.2660, 56.0691



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

83.9284, 90.2463, 80.7059

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2524, 92.2660, 56.0691 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, 249, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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(255, 249, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2524, 92.2660, 56.0691 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, 249, 179) }
```



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

```
.border{ border-color:rgb(255, 249, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2524, 92.2660, 56.0691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 179) }
```

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

```
.background{ background-color: rgb(255,  
249, 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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