

# Converting Colors

XYZ(81.9239, 91.6507, 52.8863)

Have a look what the booklet for  
XYZ(81.9239, 91.6507, 52.8863)  
contains.

<b>XYZ(81.9265, 91.6511, 52.9076)</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(81.9265, 91.6511,  
52.9076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF9AD
RGB	253, 249, 173
RGB Percent	99%, 98%, 68%
CMY	0.0078, 0.0235, 0.3216
CMYK	0.00, 0.02, 0.32, 0.01
HSL	57°, 95%, 84%
HSV	57°, 32%, 99%
XYZ	81.9265, 91.6511, 52.9076
YIQ	241.5320, 26.7800, -22.7880

# Conversions

## Conversions Part 2

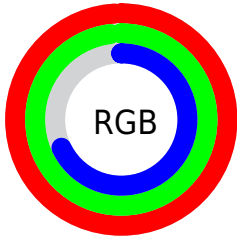
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 253, 173
Decimal	16644525
CIE Lab	96.68, -9.83, 37.04
CIE LCh	97, 38.320, 104.870
Yxy	91.6511, 0.3617, 0.4047
Android (android.graphics.Color)	4294834605 (0xFFFD9AD)
YUV	241.5320, -33.7863, 10.0574
Hunter-Lab	95.7346, -14.7811, 34.2477

# Details

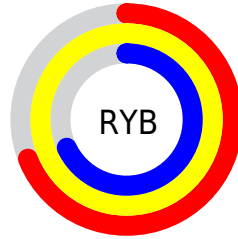
The XYZ color **81.9265, 91.6511, 52.9076** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.6852, 47.4192, 99.4101**, and the grayscale version is **84.2738, 88.6626, 96.5536**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **44.9658, 51.0981, 25.2623** is the 20% darker color. If you saturate the color by 10%, you get **79.3184, 89.9885, 41.0826**, and if you desaturate by 10%, it is **85.0055, 93.5127, 67.1787**.

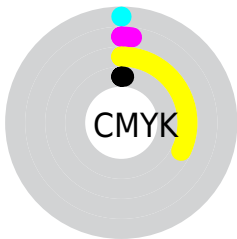
# Distribution



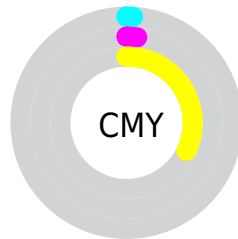
- Red (99%)
- Green (98%)
- Blue (68%)



- Red (69%)
- Yellow (99%)
- Blue (68%)



- Cyan (0%)
- Magenta (2%)
- Yellow (32%)
- Black (1%)



- Cyan (1%)
- Magenta (2%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9265, 91.6511, 52.9076 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 81.9265, 91.6511, 52.9076 by changing the saturation by 10% instead.



81.9265, 91.6511,  
52.9076

81.9265, 91.6511,  
52.9076

490.0400,  
533.3873, 414.9868

61.6189, 69.3509,  
37.3418

135.0073,  
149.6297, 95.9086

44.9792, 50.9975,  
25.1744

168.5111,  
186.0769, 124.1808

31.6423, 36.2066,  
15.9868

207.1444,  
228.0086, 157.5256

21.2426, 24.5938,  
9.3606

251.2725,  
275.8091, 196.3615

13.4149, 15.7747,  
4.8771

301.2608,  
329.8628, 241.1070

7.7939, 9.3649,  
2.1179

357.4745,

4.0140, 4.9799,

390.5541, 292.1807

0.6264

420.2792,  
458.2675, 350.0011

■ 1.7101, 2.2355,  
0.0000

■ 0.4626, 0.7392,  
0.0000

■ 81.9265, 91.6511,  
52.9076

■ 81.9265, 91.6511,  
52.9076

■ 79.3184, 89.9885,  
41.0826

■ 85.0055, 93.5127,  
67.1787

■ 77.1480, 88.5019,  
31.5598

■ 88.5725, 95.5705,  
84.0174

■ 75.3887, 87.1840,  
24.1891

■ 92.6525, 97.8377,  
103.5441

■ 74.0082, 86.0218,  
18.8004

■ 94.0185, 99.0235,  
108.7659

■ 72.9694, 85.0004,  
15.1978

94.3181, 99.6227,  
108.8657

■ 72.2275, 84.1019,  
13.1458

■ 71.7771, 83.4207,  
12.3187

# Harmonies

## Analogous

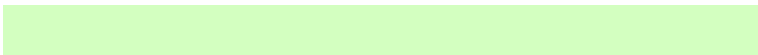
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6049, 91.6511, 52.9529



81.9265, 91.6511, 52.9076



73.3594, 91.6511, 63.5198

# Triad

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



81.9265, 91.6511, 52.9076



73.3005, 91.6511, 147.5204



108.5706, 91.6511, 116.0124

# Complementary

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



81.9265, 91.6511, 52.9076



50.6852, 47.4192, 99.4101

# 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.



102.4833, 91.6511, 147.7658



81.9265, 91.6511, 52.9076



81.8400, 91.6511, 168.3409

# Square

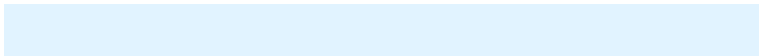
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9265, 91.6511, 52.9076



68.6640, 91.6511, 115.7271



92.5110, 91.6511, 168.4389



108.5986, 91.6511, 85.3921

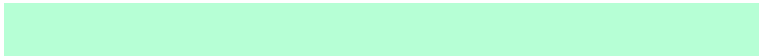


# Rectangle

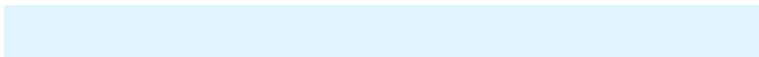
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9265, 91.6511, 52.9076



69.7457, 91.6511, 76.7569



92.5110, 91.6511, 168.4389



107.1444, 91.6511, 127.0293

# Sweetspot

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



81.9288, 91.6552, 52.9095



91.2082, 97.8802, 90.4668



63.3882, 53.9452, 48.6677



19.3981, 20.8806, 18.7713



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

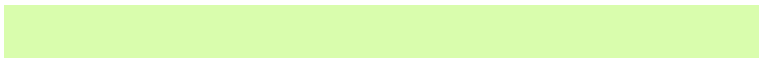
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9288, 91.6552, 52.9095



81.6563, 92.2043, 45.8864



71.2840, 88.0198, 52.7689



19.4789, 20.9261, 19.1568



38.2158, 44.4428, 6.5641



3.7439, 4.3731, 0.6468



# Inverse Universe

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



50.6852, 47.4192, 99.4101



45.2563, 40.6715, 100.0729



58.9686, 50.5355, 99.5750



17.0757, 17.5231, 22.7323



9.5351, 3.9799, 49.7002

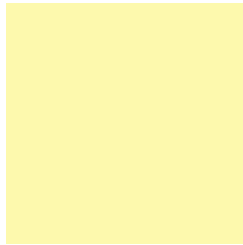


0.9529, 0.4364, 4.8473



# Previews

## White Background



This preview shows how the XYZ color 81.9265, 91.6511, 52.9076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

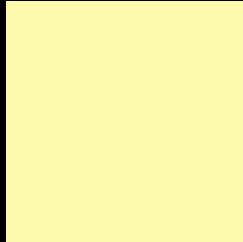
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9265, 91.6511, 52.9076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

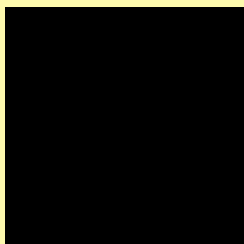
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

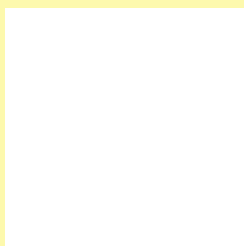
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.9265, 91.6511, 52.9076**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.9265, 91.6511, 52.9076.



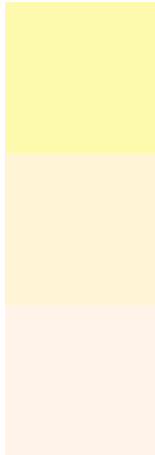
This preview shows how white text looks on a background with the XYZ color 81.9265, 91.6511,



# 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

81.9265, 91.6511, 52.9076

### Protanopia

86.0300, 91.4199, 76.7299

### Deuteranopia

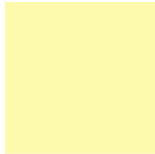
88.1419, 91.3017, 90.8193



## Tritanopia

90.5628, 91.7925, 105.0400

# Trichromacy



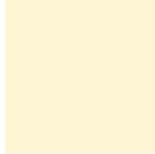
## Original Color

81.9265, 91.6511, 52.9076



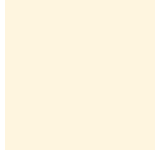
## Protanomaly

84.1376, 91.1059, 67.1835



## Deuteranomaly

85.4091, 91.1291, 75.3755



## Tritanomaly

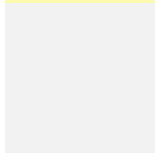
86.8447, 91.7034, 82.9353

# Monochromacy



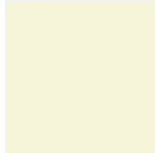
## Original Color

81.9265, 91.6511, 52.9076



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

83.1828, 89.9074, 78.6153

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9265, 91.6511, 52.9076 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(253, 249, 173)` looks like.

```
.text, #text, p{  
    color:rgb(253, 249, 173)  
}
```

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(253, 249, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 249, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9265, 91.6511, 52.9076 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(253, 249, 173) }
```



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

```
.border{ border-color:rgb(253, 249, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 249, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 249, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 249, 173);  
box-shadow:4px 4px 4px 4px rgb(253, 249,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9265, 91.6511, 52.9076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 249, 173) }
```

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

```
.background{ background-color: rgb(253,  
249, 173) }
```

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