

# Converting Colors

XYZ(83.0656, 95.1412, 48.7304)

Have a look what the booklet for  
XYZ(83.0656, 95.1412, 48.7304)  
contains.

<b>XYZ(82.8789, 95.0470, 48.6281)</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(82.8789, 95.0470,  
48.6281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>FDFFA3</code>
RGB	253, 255, 163
RGB Percent	99%, 100%, 64%
CMY	0.0078, 0.0000, 0.3608
CMYK	0.01, 0.00, 0.36, 0.00
HSL	61°, 100%, 82%
HSV	61°, 36%, 100%
XYZ	82.8789, 95.0470, 48.6281
YIQ	243.9140, 28.3400, -29.0360

# Conversions

## Conversions Part 2

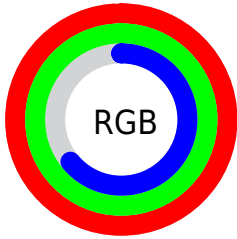
Format	Color
<a href="#">RYB</a>	<a href="#">163, 255, 165</a>
Decimal	<a href="#">16646051</a>
CIELab	<a href="#">98.05, -13.92, 43.77</a>
CIELCh	<a href="#">98, 45.927, 107.647</a>
Yxy	<a href="#">95.0470, 0.3658, 0.4195</a>
Android (android.graphics.Color)	<a href="#">4294836131 (0xFFFDFFA3)</a>
YUV	<a href="#">243.9140, -39.8906, 7.9684</a>
Hunter-Lab	<a href="#">97.4921, -18.8666, 38.6712</a>

# Details

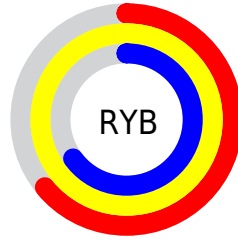
The XYZ color **82.8789, 95.0470, 48.6281** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.6653, 41.4150, 100.1421**, and the grayscale version is **86.2124, 90.7022, 98.7747**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **45.5142, 53.1161, 22.6054** is the 20% darker color. If you saturate the color by 10%, you get **80.6180, 94.1194, 37.7743**, and if you desaturate by 10%, it is **85.6016, 96.1594, 61.9106**.

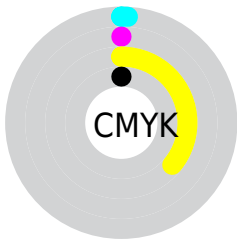
# Distribution



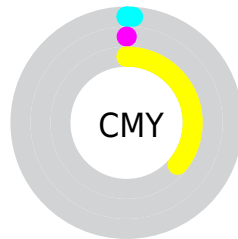
- Red (99%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8789, 95.0470, 48.6281 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 82.8789, 95.0470, 48.6281 by changing the saturation by 10% instead.





 82.8789, 95.0470,  
48.6281


 82.8789, 95.0470,  
48.6281


493.1729,  
544.3154, 397.8567

 62.4068, 72.1741,  
33.9610


 136.3352,  
154.3295, 89.5141

 45.6183, 53.3009,  
22.5865


 170.0502,  
191.5080, 116.5701

 32.1481, 38.0430,  
14.0861


208.9102,  
234.2237, 148.5929

 21.6307, 26.0161,  
8.0411

253.2806,  
282.8611, 186.0009

 13.7009, 16.8357,  
4.0331

303.5267,  
337.8045, 229.2128

 7.9932, 10.1174,  
1.6435

360.0139,

 4.1424, 5.4769,

399.4385, 278.6470

0.3216

423.1075,  
468.1473, 334.7221

■ 1.7830, 2.5297,  
0.0000

■ 0.5074, 0.8915,  
0.0000

■ 82.8789, 95.0470,  
48.6281

■ 82.8789, 95.0470,  
48.6281

■ 80.6180, 94.1194,  
37.7743

■ 85.6016, 96.1594,  
61.9106

■ 78.7904, 93.3651,  
29.1986

■ 88.8108, 97.4665,  
77.7523

■ 77.3653, 92.7719,  
22.7399

■ 92.5306, 98.9779,  
96.2791

■ 76.3078, 92.3259,  
18.2141

95.0500, 100.0000,  
108.9000

■ 75.5771, 92.0106,  
15.4060

■ 75.1224, 91.8058,  
14.0482

■ 74.9899, 91.7438,  
13.7559

# Harmonies

## Analogous

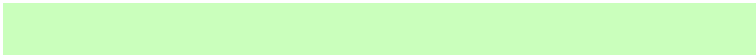
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8648, 95.0470, 47.5878



82.8789, 95.0470, 48.6281



72.8901, 95.0470, 61.9221

# Triad

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



82.8789, 95.0470, 48.6281



74.3329, 95.0470, 166.8595



117.3984, 95.0470, 119.7905

# Complementary

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



82.8789, 95.0470, 48.6281



46.6653, 41.4150, 100.1421

# 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.



110.3722, 95.0470, 160.4311



82.8789, 95.0470, 48.6281



85.0303, 95.0470, 191.7141

# Square

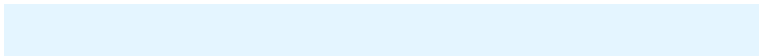
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8789, 95.0470, 48.6281



68.2957, 95.0470, 127.0661



98.2345, 95.0470, 189.1109



116.6790, 95.0470, 83.0270

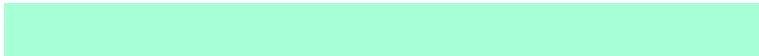


# Rectangle

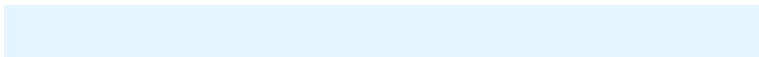
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8789, 95.0470, 48.6281



68.8874, 95.0470, 78.2899



98.2345, 95.0470, 189.1109



115.8378, 95.0470, 133.5891

# Sweetspot

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



82.8792, 95.0471, 48.6294



90.6342, 98.2078, 86.8159



61.2227, 50.6477, 41.2009



19.2924, 20.9770, 18.0494



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

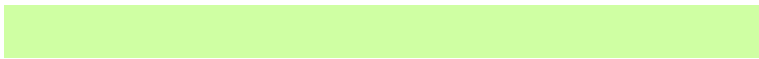
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8792, 95.0471, 48.6294



81.2663, 94.3859, 40.8649



68.2342, 87.4974, 47.9440



19.5199, 21.0694, 19.1823



39.2015, 47.9472, 7.1886



3.8288, 4.6746, 0.7005



# Inverse Universe

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



46.6653, 41.4150, 100.1421



40.3936, 33.8490, 99.0123



57.8785, 47.1957, 100.6669



17.0395, 17.3966, 22.7097



9.4836, 3.7994, 49.6681

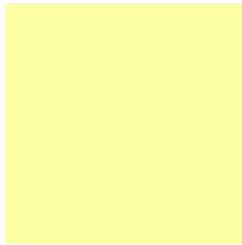


0.9357, 0.3763, 4.8366



# Previews

## White Background



This preview shows how the XYZ color 82.8789, 95.0470, 48.6281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

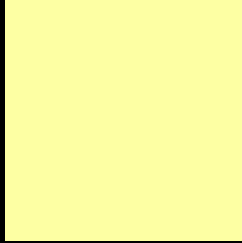
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8789, 95.0470, 48.6281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

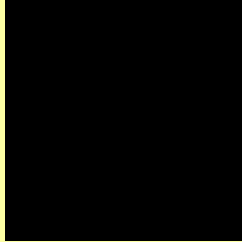
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.8789, 95.0470, 48.6281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8789, 95.0470, 48.6281.



This preview shows how white text looks on a background with the XYZ color 82.8789, 95.0470,

48.6281.

# Color Blindness Simulation

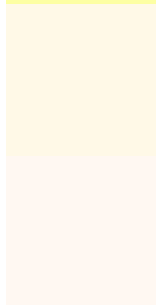
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

82.8789, 95.0470, 48.6281



### Protanopia

89.5395, 94.7809, 89.1766

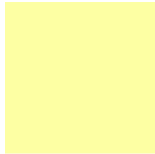
### Deuteranopia

90.8344, 94.8056, 97.5162

## **Tritanopia**

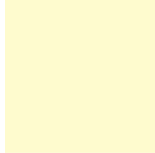
92.3902, 94.9373, 107.2212

# Trichromacy



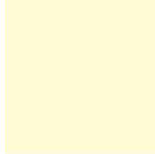
## Original Color

82.8789, 95.0470, 48.6281



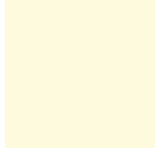
## Protanomaly

86.5108, 94.5214, 72.0774



## Deuteranomaly

87.3805, 94.8693, 76.6569



## Tritanomaly

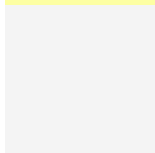
88.1098, 94.6625, 82.0344

# Monochromacy



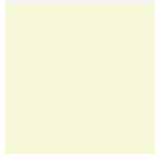
## Original Color

82.8789, 95.0470, 48.6281



## Achromatopsia

85.9880, 90.4661, 98.5176



## Achromatomaly

84.1909, 91.8153, 77.5748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8789, 95.0470, 48.6281 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, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 163)  
}
```

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, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8789, 95.0470, 48.6281 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, 255, 163) }
```



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

```
.border{ border-color:rgb(253, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8789, 95.0470, 48.6281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 163) }
```

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

```
.background{ background-color: rgb(253,  
255, 163) }
```

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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