

Converting Colors

XYZ(82.1670, 93.4625, 48.3552)

Have a look what the booklet for
XYZ(82.1670, 93.4625, 48.3552)
contains.

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Color

**XYZ(81.9293, 93.1478,
48.3115)**

Conversions

Conversions Part 1

Format	Color
Hex	FDCA3
RGB	253, 252, 163
RGB Percent	99%, 99%, 64%
CMY	0.0078, 0.0117, 0.3608
CMYK	0.00, 0.00, 0.36, 0.01
HSL	59°, 96%, 82%
HSV	59°, 36%, 99%
XYZ	81.9293, 93.1478, 48.3115
YIQ	242.1530, 29.1650, -27.4670

Conversions

Conversions Part 2

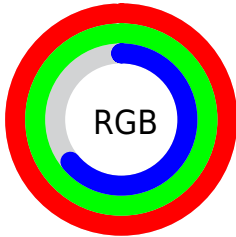
Format	Color
RYB	164, 253, 163
Decimal	16645283
CIELab	97.29, -12.46, 42.78
CIELCh	97, 44.557, 106.236
Yxy	93.1478, 0.3668, 0.4170
Android (android.graphics.Color)	4294835363 (0xFFFDCA3)
YUV	242.1530, -39.0224, 9.5128
Hunter-Lab	96.5131, -17.3705, 37.8804

Details

The XYZ color **81.9293, 93.1478, 48.3115** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.1092, 41.4282, 98.4949**, and the grayscale version is **84.8045, 89.2209, 97.1616**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **45.0601, 52.2077, 22.4540** is the 20% darker color. If you saturate the color by 10%, you get **79.7988, 92.1586, 37.5146**, and if you desaturate by 10%, it is **84.5181, 94.3271, 61.5006**.

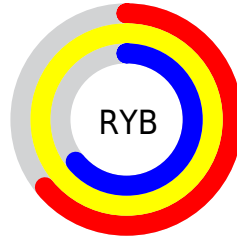
Distribution



Red (99%)

Green (99%)

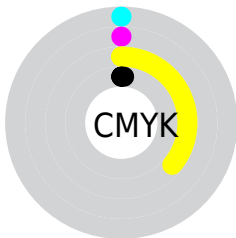
Blue (64%)



Red (64%)

Yellow (99%)

Blue (64%)

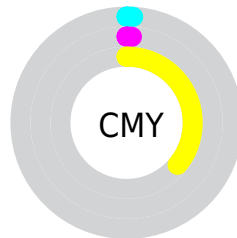


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (1%)



Cyan (1%)


Magenta (1%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9293, 93.1478, 48.3115 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 81.9293, 93.1478, 48.3115 by changing the saturation by 10% instead.


 81.9293, 93.1478,
48.3115


 81.9293, 93.1478,
48.3115


490.0493,
538.2182, 396.5698

 61.6212, 70.5944,
33.7119


 135.0112,
151.7032, 89.0384

 44.9811, 52.0112,
22.3968


 168.5157,
188.4740, 116.0027

 31.6438, 37.0140,
13.9476


207.1496,
230.7526, 147.9258

 21.2438, 25.2183,
7.9459

251.2784,
278.9236, 185.2260

 13.4158, 16.2398,
3.9731

301.2675,
333.3712, 228.3220

 7.7944, 9.6940,
1.6106

357.4820,

 4.0144, 5.1965,

394.4800, 277.6322

0.2984

420.2875,
462.6341, 333.5753

■ 1.7103, 2.3630,
0.0000

■ 0.4627, 0.8068,
0.0000

■ 81.9293, 93.1478,
48.3115

■ 81.9293, 93.1478,
48.3115

■ 79.7988, 92.1586,
37.5146

■ 84.5181, 94.3271,
61.5006

■ 78.0924, 91.3361,
28.9607

■ 87.5831, 95.6938,
77.2072

■ 76.7824, 90.6722,
22.4934

■ 91.1499, 97.2613,
95.5552

■ 75.8348, 90.1535,
17.9335

■ 93.7224, 98.4314,
108.6672

■ 75.2097, 89.7640,
15.0718

■ 93.8107, 98.6080,
108.6966

■ 74.8581, 89.4842,
13.6495

■ 93.8992, 98.7849,
108.7261

■ 74.7580, 89.3826,
13.3124

■ 93.9877, 98.9620,
108.7556

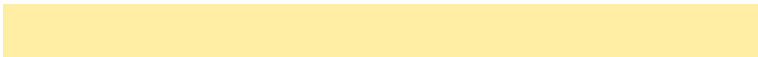
■ 94.0764, 99.1394,
108.7852

■ 94.1653, 99.3171,
108.8148

Harmonies

Analogous

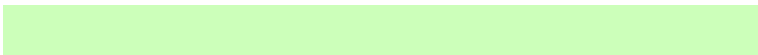
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4263, 93.1478, 47.8402



81.9293, 93.1478, 48.3115



72.1593, 93.1478, 60.5897

Triad

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



81.9293, 93.1478, 48.3115



72.8065, 93.1478, 160.2612



114.2218, 93.1478, 118.8482

Complementary

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



81.9293, 93.1478, 48.3115



46.1092, 41.4282, 98.4949

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.



107.2159, 93.1478, 157.4049



81.9293, 93.1478, 48.3115



82.8924, 93.1478, 184.8786

Square

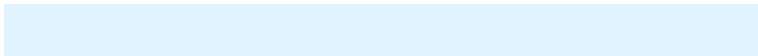
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9293, 93.1478, 48.3115



67.2442, 93.1478, 122.0931



95.4848, 93.1478, 183.7242



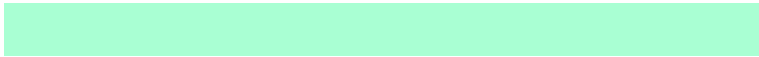
113.9013, 93.1478, 83.2268

Rectangle

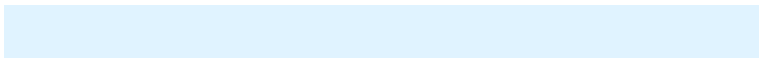
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9293, 93.1478, 48.3115



68.1541, 93.1478, 75.9450



95.4848, 93.1478, 183.7242



112.6189, 93.1478, 132.0413

Sweetspot

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



81.9316, 93.1520, 48.3134



90.7595, 98.1259, 86.7935



60.3521, 49.7765, 41.7873



19.3226, 20.9573, 18.0440



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

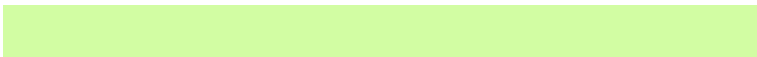
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9316, 93.1520, 48.3134



81.7529, 94.0652, 40.7773



68.1730, 86.5236, 47.7592



19.5431, 21.0543, 19.1782



39.7762, 47.5636, 7.0843



3.8782, 4.6418, 0.6915

Inverse Universe

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



46.1092, 41.4282, 98.4949



40.1543, 34.0026, 99.0545



56.4203, 46.4809, 98.9267



17.0191, 17.4099, 22.7134



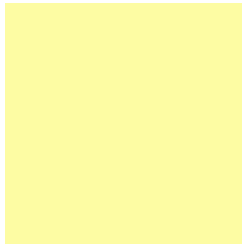
9.4544, 3.8184, 49.6733



0.9260, 0.3826, 4.8383

Previews

White Background



This preview shows how the XYZ color 81.9293, 93.1478, 48.3115 looks on a white background.

Color Contrast Check

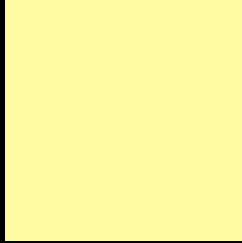
Large Text (above 18pt) WCAG AA × Fail

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 81.9293, 93.1478, 48.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

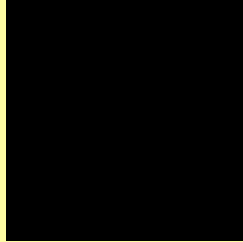
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.9293, 93.1478, 48.3115

Background



This preview shows how black text looks on a background with the XYZ color 81.9293, 93.1478, 48.3115.



This preview shows how white text looks on a background with the XYZ color 81.9293, 93.1478,

Color Blindness Simulation

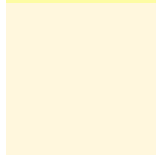
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



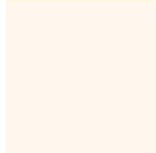
Original Color

81.9293, 93.1478, 48.3115



Protanopia

87.5519, 93.0020, 81.7433



Deuteranopia

89.4818, 93.2860, 93.4106



Tritanopia

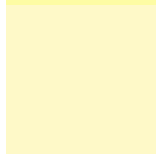
91.3203, 93.0532, 106.0765

Trichromacy



Original Color

81.9293, 93.1478, 48.3115



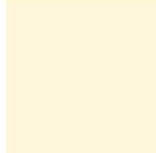
Protanomaly

85.1741, 92.9923, 68.1037



Deuteranomaly

86.0733, 92.8588, 74.3598



Tritanomaly

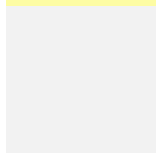
87.0521, 92.7597, 81.0264

Monochromacy



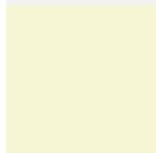
Original Color

81.9293, 93.1478, 48.3115



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.9720, 90.3085, 76.0090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9293, 93.1478, 48.3115 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, 252, 163)` looks like.

```
.text, #text, p{  
    color:rgb(253, 252, 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, 252, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 252, 163) }
```

Border

The CSS property to change the border of an element to XYZ 81.9293, 93.1478, 48.3115 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, 252, 163) }
```


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

```
.border{ border-color:rgb(253, 252, 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, 252, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 252, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 252, 163);  
box-shadow:4px 4px 4px 4px rgb(253, 252,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9293, 93.1478, 48.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 252, 163) }
```

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

```
.background{ background-color: rgb(253,  
252, 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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