

Converting Colors

XYZ(96.1228, 100.0000,
46.5069)

Have a look what the booklet for
XYZ(96.1228, 100.0000, 46.5069)
contains.

XYZ(81.9087, 92.7230, 45.9280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.9087, 92.7230,
45.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB9E
RGB	255, 251, 158
RGB Percent	100%, 98%, 62%
CMY	0.0000, 0.0157, 0.3804
CMYK	0.00, 0.02, 0.38, 0.00
HSL	58°, 100%, 81%
HSV	58°, 38%, 100%
XYZ	81.9087, 92.7230, 45.9280
YIQ	241.5940, 32.2370, -28.0750

Conversions

Conversions Part 2

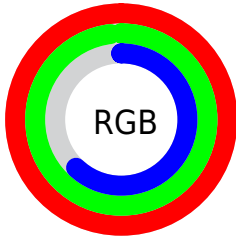
Format	Color
R _Y B	162, 255, 158
Decimal	16776094
CIE Lab	97.12, -11.75, 45.03
CIE LCh	97, 46.542, 104.629
Yxy	92.7230, 0.3714, 0.4204
Android (android.graphics.Color)	4294966174 (0xFFFFFB9E)
YUV	241.5940, -41.2118, 11.7571
Hunter-Lab	96.2928, -16.6765, 39.1259

Details

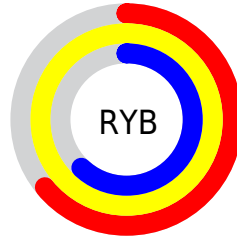
The XYZ color **81.9087, 92.7230, 45.9280** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.0706, 40.3285, 100.0163**, and the grayscale version is **84.3767, 88.7708, 96.6714**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **45.0909, 51.9205, 21.0097** is the 20% darker color. If you saturate the color by 10%, you get **79.6115, 91.2842, 35.4342**, and if you desaturate by 10%, it is **84.6677, 94.3561, 58.8246**.

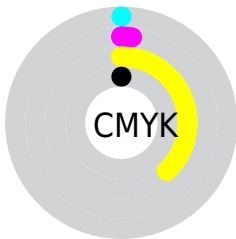
Distribution



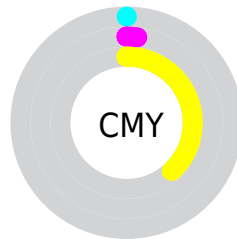
- Red (100%)
- Green (98%)
- Blue (62%)



- Red (64%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9087, 92.7230, 45.9280 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 81.9087, 92.7230, 45.9280 by changing the saturation by 10% instead.


 81.9087, 92.7230,
45.9280


 81.9087, 92.7230,
45.9280


489.9814,
536.8494, 386.7883

 61.6041, 70.2413,
31.8408


 134.9825,
151.1151, 85.4444

 44.9673, 51.7233,
20.9761


 168.4823,
187.7942, 111.7106

 31.6328, 36.7845,
12.9154

207.1114,
229.9746, 142.8735

 21.2354, 25.0407,
7.2403

251.2350,
278.0407, 179.3518

 13.4096, 16.1074,
3.5321

301.2184,
332.3768, 221.5638

 7.7901, 9.6002,
1.3723

357.4270,

 4.0116, 5.1347,

393.3674, 269.9282

0.1200

420.2262,
461.3968, 324.8635

■ 1.7087, 2.3265,
0.0000

■ 0.4617, 0.7877,
0.0000

■ 81.9087, 92.7230,
45.9280

■ 81.9087, 92.7230,
45.9280

■ 79.6115, 91.2842,
35.4342

■ 84.6677, 94.3561,
58.8246

■ 77.7409, 90.0155,
27.1880

■ 87.9077, 96.1812,
74.2549

■ 76.2676, 88.9088,
21.0252

■ 91.6549, 98.2121,
92.3471

■ 75.1558, 87.9494,
16.7565

95.0499, 100.0000,
108.9000

■ 74.3629, 87.1206,
14.1588

■ 73.8315, 86.3993,
12.9290

■ 73.7419, 86.2639,
12.7640

Harmonies

Analogous

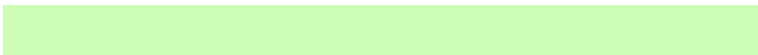
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9911, 92.7230, 46.0715



81.9087, 92.7230, 45.9280



71.5625, 92.7230, 57.7611

Triad

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



81.9087, 92.7230, 45.9280



71.3615, 92.7230, 160.7269



114.7748, 92.7230, 121.3567

Complementary

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



81.9087, 92.7230, 45.9280



45.0706, 40.3285, 100.0163

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.



107.0764, 92.7230, 161.6313



81.9087, 92.7230, 45.9280



81.6083, 92.7230, 187.9231

Square

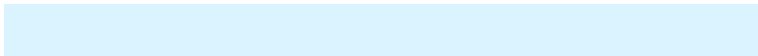
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9087, 92.7230, 45.9280



65.8962, 92.7230, 120.3371



94.6595, 92.7230, 188.2901



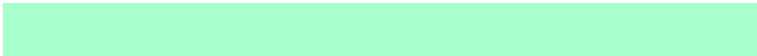
114.8758, 92.7230, 83.7826

Rectangle

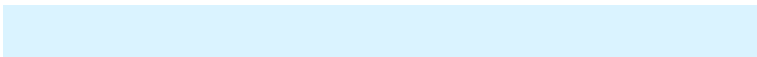
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9087, 92.7230, 45.9280



67.2365, 92.7230, 73.0476



94.6595, 92.7230, 188.2901



112.9582, 92.7230, 135.2055

Sweetspot

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



81.9110, 92.7272, 45.9299



90.4909, 97.5887, 86.7040



60.0649, 48.3537, 40.7485



19.2580, 20.8282, 18.0225



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

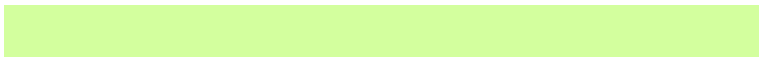
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9110, 92.7272, 45.9299



80.0445, 91.5639, 37.3858



68.8964, 87.8894, 45.6821



19.4934, 20.9549, 19.1616



38.5601, 45.1314, 6.6789



3.7736, 4.4325, 0.6567

Inverse Universe

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



45.0706, 40.3285, 100.0163



38.2336, 32.1015, 98.7888



54.5402, 44.1826, 100.2611



17.0630, 17.4975, 22.7280



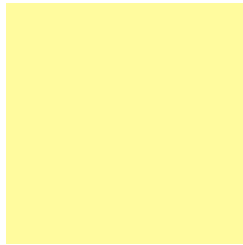
9.5170, 3.9435, 49.6942



0.9468, 0.4243, 4.8453

Previews

White Background



This preview shows how the XYZ color 81.9087, 92.7230, 45.9280 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 81.9087, 92.7230, 45.9280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

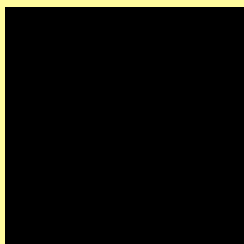
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.9087, 92.7230, 45.9280

Background



This preview shows how black text looks on a background with the XYZ color 81.9087, 92.7230, 45.9280.



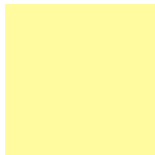
This preview shows how white text looks on a background with the XYZ color 81.9087, 92.7230,

45.9280.

Color Blindness Simulation

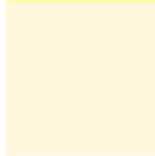
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



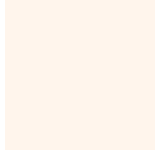
Original Color

81.9087, 92.7230, 45.9280



Protanopia

87.2869, 92.8960, 80.3480



Deuteranopia

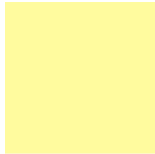
89.0327, 92.6209, 92.5420



Tritanopia

90.7032, 92.3262, 104.3070

Trichromacy



Original Color

81.9087, 92.7230, 45.9280



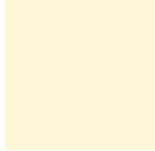
Protanomaly

84.8854, 92.4260, 66.1894



Deuteranomaly

85.8859, 92.3356, 72.9704



Tritanomaly

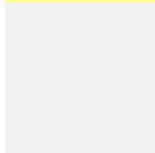
86.7202, 92.1813, 78.8678

Monochromacy



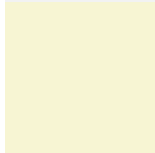
Original Color

81.9087, 92.7230, 45.9280



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.7681, 89.7821, 74.5954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9087, 92.7230, 45.9280 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, 251, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 158)  
}
```

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, 251, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 158) }
```

Border

The CSS property to change the border of an element to XYZ 81.9087, 92.7230, 45.9280 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, 251, 158) }
```


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

```
.border{ border-color:rgb(255, 251, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9087, 92.7230, 45.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 158) }
```

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

```
.background{ background-color: rgb(255,  
251, 158) }
```

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