

Converting Colors

XYZ(100.0085, 100.0000,
58.9549)

Have a look what the booklet for
XYZ(100.0085, 100.0000, 58.9549)
contains.

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Color

**XYZ(83.0480, 91.2004,
58.0261)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7B7
RGB	255, 247, 183
RGB Percent	100%, 97%, 72%
CMY	0.0000, 0.0313, 0.2823
CMYK	0.00, 0.03, 0.28, 0.00
HSL	53°, 100%, 86%
HSV	53°, 28%, 100%
XYZ	83.0480, 91.2004, 58.0261
YIQ	242.0960, 25.3120, -18.2080

Conversions

Conversions Part 2

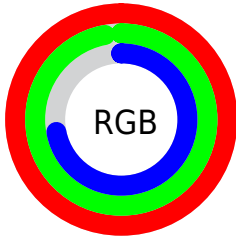
Format	Color
R_{YB}	192, 255, 183
Decimal	16775095
CIE _{Lab}	96.49, -6.88, 31.80
CIE _{LCh}	96, 32.537, 102.199
Yxy	91.2004, 0.3575, 0.3926
Android (android.graphics.Color)	4294965175 (0xFFFFF7B7)
YUV	242.0960, -29.1343, 11.3168
Hunter-Lab	95.4989, -11.8954, 30.8240

Details

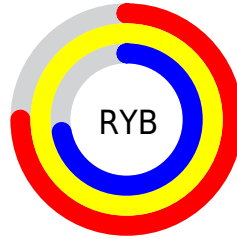
The XYZ color **83.0480, 91.2004, 58.0261** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.2089, 54.5474, 102.1739**, and the grayscale version is **84.6854, 89.0956, 97.0251**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **45.9488, 50.8791, 28.5180** is the 20% darker color. If you saturate the color by 10%, you get **79.7722, 88.5184, 45.0049**, and if you desaturate by 10%, it is **86.8222, 94.1091, 73.5879**.

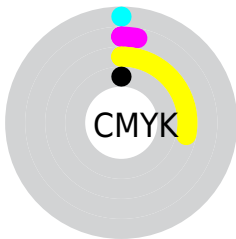
Distribution



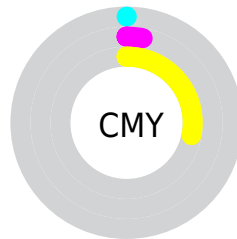
- Red (100%)
- Green (97%)
- Blue (72%)



- Red (75%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (3%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0480, 91.2004, 58.0261 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 83.0480, 91.2004, 58.0261 by changing the saturation by 10% instead.


 83.0480, 91.2004,
58.0261

 83.0480, 91.2004,
58.0261


493.7280,
531.9280, 434.8842

 62.5468, 68.9767,
41.4148


 136.5709,
149.0047, 103.4760

 45.7319, 50.6927,
28.3212


170.3232,
185.3540, 133.1517

 32.2381, 35.9641,
18.3268


209.2234,
227.1807, 168.0193

 21.6998, 24.4065,
11.0130

253.6366,
274.8691, 208.4973

 13.7519, 15.6354,
5.9613

303.9284,
328.8037, 255.0042

 8.0288, 9.2665,
2.7531

360.4639,

 4.1654, 4.9154,

389.3688, 307.9586

0.9700

423.6087,
456.9487, 367.7791

■ 1.7961, 2.1977,
0.0000

■ 0.5153, 0.7188,
0.0000

■ 83.0480, 91.2004,
58.0261

■ 83.0480, 91.2004,
58.0261

■ 79.7722, 88.5184,
45.0049

■ 86.8222, 94.1091,
73.5879

■ 76.9623, 86.0405,
34.3818

■ 91.1124, 97.2422,
91.8111

■ 74.5918, 83.7593,
26.0088

95.0500, 100.0000,
108.9000

■ 72.6292, 81.6620,
19.7194

■ 71.0384, 79.7340,
15.3240

■ 69.7766, 77.9583,
12.5983

■ 68.7853, 76.3112,
11.2334

■ 68.6240, 76.0279,
11.0580

Harmonies

Analogous

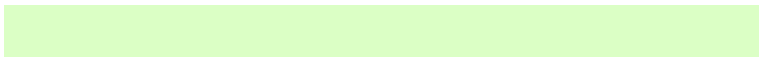
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1282, 91.2004, 58.9142



83.0480, 91.2004, 58.0261



75.4823, 91.2004, 66.6893

Triad

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



83.0480, 91.2004, 58.0261



74.3879, 91.2004, 136.7955



104.3820, 91.2004, 115.3770

Complementary

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



83.0480, 91.2004, 58.0261



56.2089, 54.5474, 102.1739

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.



98.9408, 91.2004, 141.1165



83.0480, 91.2004, 58.0261



81.4572, 91.2004, 154.8897

Square

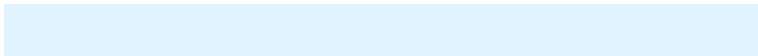
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0480, 91.2004, 58.0261



70.7214, 91.2004, 110.2406



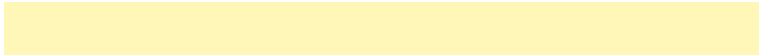
90.4231, 91.2004, 156.5963



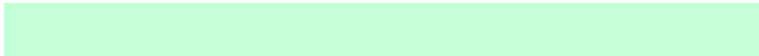
104.8824, 91.2004, 89.1115

Rectangle

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



83.0480, 91.2004, 58.0261



72.1455, 91.2004, 77.7690



90.4231, 91.2004, 156.5963



103.0535, 91.2004, 124.4820

Sweetspot

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



83.0502, 91.2045, 58.0280



91.2194, 97.3185, 92.2712



67.6222, 58.9072, 57.3287



19.3789, 20.7259, 19.1235



0.0000, 0.0000, 0.0000



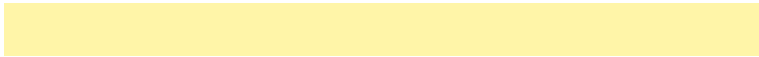
20.3446, 21.4041, 23.3091

Same Dimension

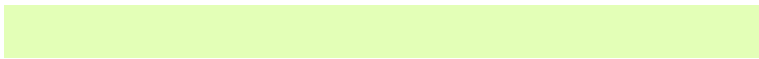
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0502, 91.2045, 58.0280



81.1016, 89.6298, 50.2183



76.1126, 91.3352, 58.4189



19.3789, 20.7259, 19.1235



35.9266, 39.8644, 5.8011



3.5451, 3.9756, 0.5805

Inverse Universe

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



56.2089, 54.5474, 102.1739



50.1681, 47.3891, 101.1106



61.7339, 54.8780, 101.9465



17.1653, 17.7023, 22.7621



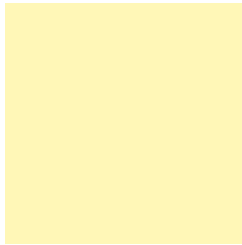
9.7040, 4.3176, 49.7565



0.9951, 0.5210, 4.8614

Previews

White Background



This preview shows how the XYZ color 83.0480, 91.2004, 58.0261 looks on a white background.

Color Contrast Check

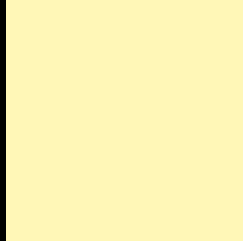
Large Text (above 18pt) WCAG AA × Fail

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 83.0480, 91.2004, 58.0261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

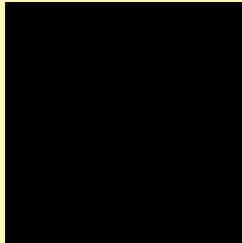
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0480, 91.2004, 58.0261

Background



This preview shows how black text looks on a background with the XYZ color 83.0480, 91.2004, 58.0261.

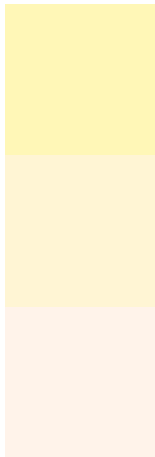


This preview shows how white text looks on a background with the XYZ color 83.0480, 91.2004,

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

83.0480, 91.2004, 58.0261

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

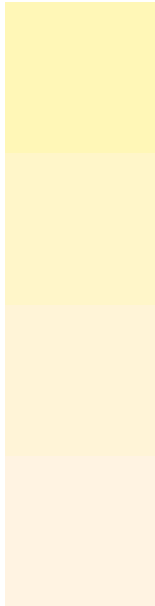
88.1419, 91.3017, 90.8193



Tritanopia

90.1079, 91.1356, 104.1085

Trichromacy



Original Color

83.0480, 91.2004, 58.0261

Protanomaly

84.7384, 91.3886, 68.4319

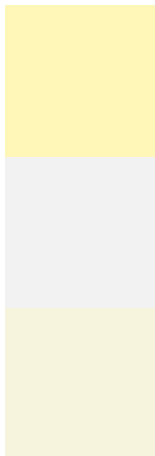
Deuteranomaly

85.8564, 90.8677, 77.3041

Tritanomaly

87.0181, 90.8522, 84.9014

Monochromacy



Original Color

83.0480, 91.2004, 58.0261

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.7596, 89.6960, 81.3051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0480, 91.2004, 58.0261 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, 247, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 183)  
}
```

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, 247, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 183) }
```

Border

The CSS property to change the border of an element to XYZ 83.0480, 91.2004, 58.0261 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, 247, 183) }
```


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

```
.border{ border-color:rgb(255, 247, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0480, 91.2004, 58.0261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 183) }
```

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

```
.background{ background-color: rgb(255,  
247, 183) }
```

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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