

Converting Colors

XYZ(80.5686, 91.1787, 63.8114)

Have a look what the booklet for
XYZ(80.5686, 91.1787, 63.8114)
contains.

XYZ(80.4292, 91.0987, 63.7968)	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(80.4292, 91.0987,
63.7968)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FAC1
RGB	242, 250, 193
RGB Percent	95%, 98%, 76%
CMY	0.0510, 0.0196, 0.2431
CMYK	0.03, 0.00, 0.23, 0.02
HSL	68°, 85%, 87%
HSV	68°, 23%, 98%
XYZ	80.4292, 91.0987, 63.7968
YIQ	241.1100, 13.5290, -19.4230

Conversions

Conversions Part 2

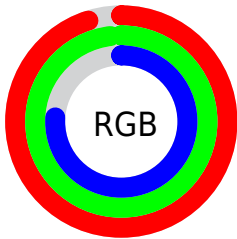
Format	Color
R_{YB}	193, 250, 201
Decimal	15923905
CIE _{Lab}	96.45, -11.77, 26.52
CIE _{LCh}	96, 29.019, 113.935
Yxy	91.0987, 0.3418, 0.3871
Android (android.graphics.Color)	4294113985 (0xFFFF2FAC1)
YUV	241.1100, -23.7182, 0.7805
Hunter-Lab	95.4456, -16.6132, 27.1819

Details

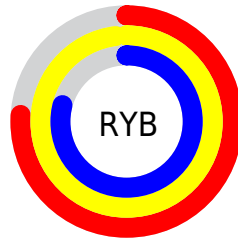
The XYZ color **80.4292, 91.0987, 63.7968** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.4162, 57.4620, 98.3545**, and the grayscale version is **83.8712, 88.2390, 96.0923**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **43.9596, 50.7619, 31.9072** is the 20% darker color. If you saturate the color by 10%, you get **76.6801, 89.4642, 50.2734**, and if you desaturate by 10%, it is **84.6777, 92.9418, 79.8081**.

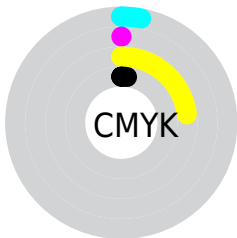
Distribution



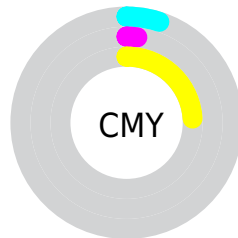
- Red (95%)
- Green (98%)
- Blue (76%)



- Red (76%)
- Yellow (98%)
- Blue (79%)



- Cyan (3%)
- Magenta (0%)
- Yellow (23%)
- Black (2%)



- Cyan (5%)
- Magenta (2%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4292, 91.0987, 63.7968 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 80.4292, 91.0987, 63.7968 by changing the saturation by 10% instead.

80.4292, 91.0987,
63.7968

80.4292, 91.0987,
63.7968

485.0926,
531.5984, 456.6428

60.3813, 68.8923,
46.0410

132.9164,
148.8636, 111.9149

43.9767, 50.6240,
31.9293

166.0863,
185.1908, 143.1143

30.8500, 35.9094,
21.0431

204.3610,
226.9938, 179.6319

20.6359, 24.3643,
12.9640

248.1057,
274.6569, 221.8863

12.9691, 15.6041,
7.2733

297.6859,
328.5645, 270.2960

7.4841, 9.2444,
3.5526

353.4669,

3.8157, 4.9009,

389.1011, 325.2797

1.3832

415.8140,
456.6509, 387.2558

■ 1.5984, 2.1893,
0.1286

■ 0.3914, 0.7141,
0.0000

■ 80.4292, 91.0987,
63.7968

■ 80.4292, 91.0987,
63.7968

■ 76.6801, 89.4642,
50.2734

■ 84.6777, 92.9418,
79.8081

■ 73.3994, 88.0168,
39.1074

■ 89.4407, 94.9902,
98.4176

■ 70.5637, 86.7499,
30.1649

■ 92.5760, 96.3903,
108.3336

■ 68.1444, 85.6522,
23.2968

■ 93.4775, 96.8550,
108.3758

■ 66.1096, 84.7110,
18.3352

■ 64.4224, 83.9113,
15.0864

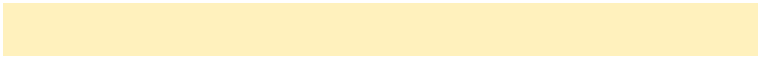
■ 63.0380, 83.2354,
13.3158

■ 62.1813, 82.8064,
12.7059

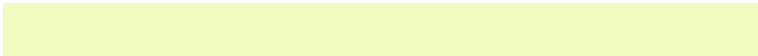
Harmonies

Analogous

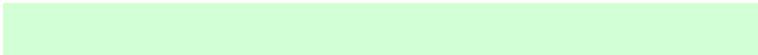
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2402, 91.0987, 61.1658



80.4292, 91.0987, 63.7968



74.6138, 91.0987, 75.2129

Triad

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



80.4292, 91.0987, 63.7968



77.7500, 91.0987, 139.7263



102.9904, 91.0987, 103.9718

Complementary

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



80.4292, 91.0987, 63.7968



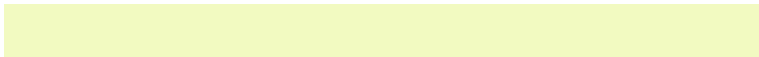
60.4162, 57.4620, 98.3545

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.



99.7762, 91.0987, 127.7899



80.4292, 91.0987, 63.7968



84.9538, 91.0987, 150.4004

Square

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



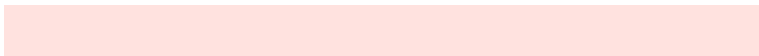
80.4292, 91.0987, 63.7968



73.1357, 91.0987, 118.3801



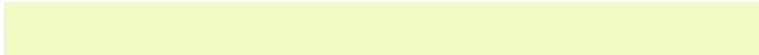
93.0505, 91.0987, 145.7237



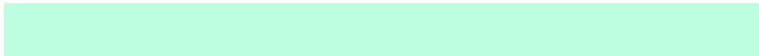
101.5932, 91.0987, 82.1964

Rectangle

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



80.4292, 91.0987, 63.7968



72.4853, 91.0987, 87.3690



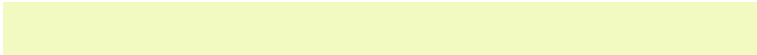
93.0505, 91.0987, 145.7237



102.4075, 91.0987, 112.0340

Sweetspot

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



80.4316, 91.1027, 63.7987



91.3917, 98.4308, 94.4179



69.8466, 65.7638, 59.4657



19.4968, 21.0404, 19.9559



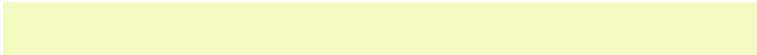
0.0000, 0.0000, 0.0000



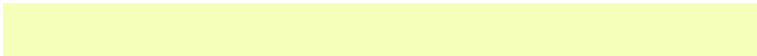
20.3446, 21.4041, 23.3091

Same Dimension

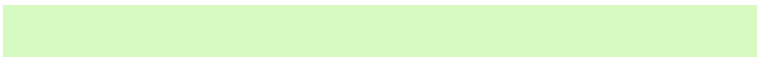
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4316, 91.1027, 63.7987



82.4106, 94.5436, 60.4433



71.5168, 86.5070, 63.3815



18.4737, 20.0600, 18.3607



33.0740, 43.9686, 6.7436



3.1270, 4.1051, 0.6276

Inverse Universe

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



60.4162, 57.4620, 98.3545



58.3584, 54.1126, 101.9767



68.6732, 61.7186, 98.7409



16.5097, 16.7599, 21.7501



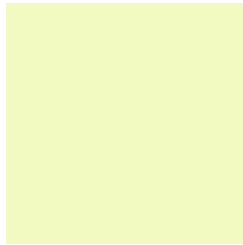
9.5917, 3.8874, 48.2184



0.9553, 0.3945, 4.4690

Previews

White Background



This preview shows how the XYZ color 80.4292, 91.0987, 63.7968 looks on a white background.

Color Contrast Check

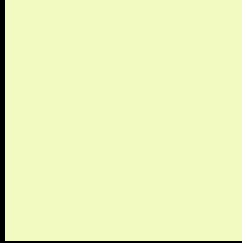
Large Text (above 18pt) WCAG AA × Fail

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 80.4292, 91.0987, 63.7968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

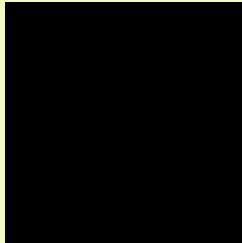
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4292, 91.0987, 63.7968

Background



This preview shows how black text looks on a background with the XYZ color 80.4292, 91.0987, 63.7968.



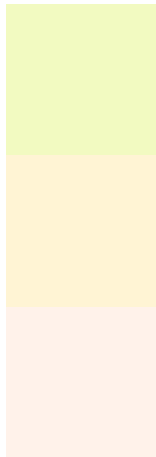
This preview shows how white text looks on a background with the XYZ color 80.4292, 91.0987,

63.7968.

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

80.4292, 91.0987, 63.7968

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

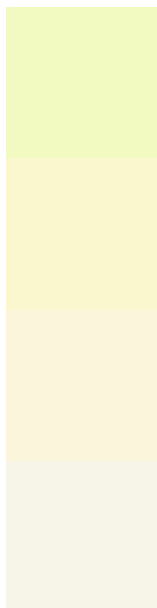
87.8434, 90.7048, 90.7198



Tritanopia

88.8691, 90.8640, 107.4623

Trichromacy



Original Color

80.4292, 91.0987, 63.7968

Protanomaly

83.3996, 90.6433, 70.8579

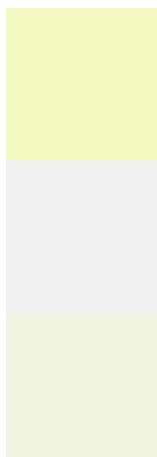
Deuteranomaly

84.8629, 90.7433, 80.0603

Tritanomaly

85.2239, 90.7238, 89.3636

Monochromacy



Original Color

80.4292, 91.0987, 63.7968

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.0809, 88.7840, 83.3319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4292, 91.0987, 63.7968 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(242, 250, 193) looks like.

```
.text, #text, p{  
    color:rgb(242, 250, 193)  
}
```

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(242, 250, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 250, 193) }
```

Border

The CSS property to change the border of an element to XYZ 80.4292, 91.0987, 63.7968 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(242, 250, 193) }
```


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

```
.border{ border-color:rgb(242, 250, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 250, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 250, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 250, 193);  
box-shadow:4px 4px 4px 4px rgb(242, 250,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4292, 91.0987, 63.7968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 250, 193) }
```

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

```
.background{ background-color: rgb(242,  
250, 193) }
```

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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