

Converting Colors

XYZ(97.5972, 100.0000,
42.9476)

Have a look what the booklet for
XYZ(97.5972, 100.0000, 42.9476)
contains.

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Color

**XYZ(80.6207, 91.2134,
42.2109)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF996
RGB	255, 249, 150
RGB Percent	100%, 98%, 59%
CMY	0.0000, 0.0235, 0.4118
CMYK	0.00, 0.02, 0.41, 0.00
HSL	57°, 100%, 79%
HSV	57°, 41%, 100%
XYZ	80.6207, 91.2134, 42.2109
YIQ	239.5080, 35.3550, -29.5170

Conversions

Conversions Part 2

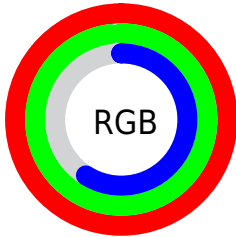
Format	Color
R _Y B	156, 255, 150
Decimal	16775574
CIE Lab	96.50, -11.60, 48.13
CIE LCh	96, 49.509, 103.552
Yxy	91.2134, 0.3767, 0.4261
Android (android.graphics.Color)	4294965654 (0xFFFFF996)
YUV	239.5080, -44.1274, 13.5865
Hunter-Lab	95.5057, -16.4550, 40.6494

Details

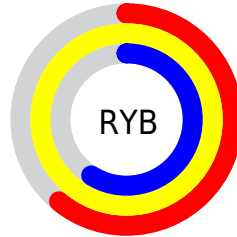
The XYZ color **80.6207, 91.2134, 42.2109** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.5159, 37.4798, 99.6011**, and the grayscale version is **82.7563, 87.0661, 94.8150**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **44.2536, 50.8733, 18.7964** is the 20% darker color. If you saturate the color by 10%, you get **78.3395, 89.5871, 32.3990**, and if you desaturate by 10%, it is **83.3567, 93.0337, 54.3807**.

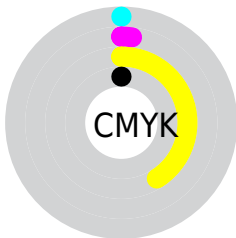
Distribution



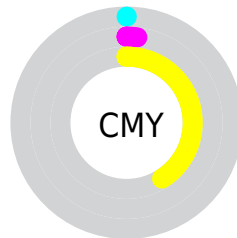
- Red (100%)
- Green (98%)
- Blue (59%)



- Red (61%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (2%)
- Yellow (41%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6207, 91.2134, 42.2109 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 80.6207, 91.2134, 42.2109 by changing the saturation by 10% instead.

80.6207, 91.2134,
42.2109

80.6207, 91.2134,
42.2109

485.7269,
531.9701, 371.1819

60.5395, 68.9875,
28.9397

133.1840,
149.0227, 79.7922

44.1047, 50.7015,
18.7900

166.3968,
185.3749, 104.9394

30.9511, 35.9711,
11.3434

204.7175,
227.2046, 134.8824

20.7133, 24.4119,
6.1812

248.5114,
274.8963, 170.0396

13.0258, 15.6394,
2.8850

298.1440,
328.8343, 210.8296

7.5235, 9.2694,
1.0362

353.9805,

3.8408, 4.9173,

389.4030, 257.6709

0.0000

416.3864,
456.9868, 310.9822

■ 1.6125, 2.1988,
0.0000

■ 0.4005, 0.7194,
0.0000

■ 80.6207, 91.2134,
42.2109

■ 80.6207, 91.2134,
42.2109

■ 78.3395, 89.5871,
32.3990

■ 83.3567, 93.0337,
54.3807

■ 76.4771, 88.1306,
24.7852

■ 86.5674, 95.0463,
69.0432

■ 75.0029, 86.8350,
19.1988

■ 90.2797, 97.2651,
86.3295

■ 73.8794, 85.6852,
15.4416

■ 94.5164, 99.6992,
106.3600

■ 73.0612, 84.6630, 95.0499, 100.0000,
13.2756 108.9000

■ 72.5311, 83.8423,
12.3604

Harmonies

Analogous

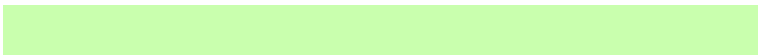
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4339, 91.2134, 42.7757



80.6207, 91.2134, 42.2109



69.6559, 91.2134, 53.7656

Triad

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



80.6207, 91.2134, 42.2109



68.8390, 91.2134, 161.4721



114.7390, 91.2134, 122.4430

Complementary

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



80.6207, 91.2134, 42.2109



42.5159, 37.4798, 99.6011

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.



106.3096, 91.2134, 165.2588



80.6207, 91.2134, 42.2109



79.3920, 91.2134, 191.5676

Square

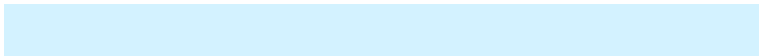
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6207, 91.2134, 42.2109



63.3577, 91.2134, 118.2241



93.0683, 91.2134, 193.1131



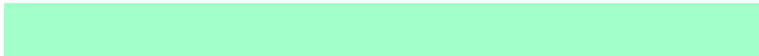
115.1582, 91.2134, 82.5395

Rectangle

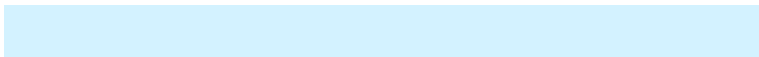
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6207, 91.2134, 42.2109



65.0272, 91.2134, 69.1488



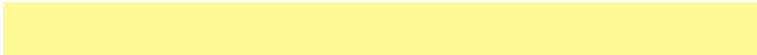
93.0683, 91.2134, 193.1131



112.7109, 91.2134, 137.1844

Sweetspot

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



80.6229, 91.2176, 42.2128



89.9542, 97.0742, 84.8019



58.2327, 45.5079, 37.6141



19.1450, 20.7138, 17.6412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

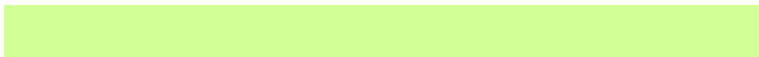
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6229, 91.2176, 42.2128



78.7995, 89.9267, 34.3411



67.7017, 87.3505, 42.1474



19.4672, 20.9025, 19.1529



37.9375, 43.8862, 6.4714



3.7198, 4.3250, 0.6388

Inverse Universe

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



42.5159, 37.4798, 99.6011



36.2351, 29.9129, 98.4717



51.5922, 40.7026, 99.7448



17.0862, 17.5440, 22.7357



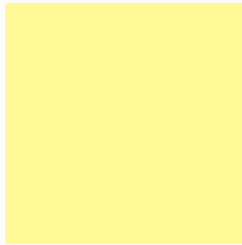
9.5502, 4.0100, 49.7052



0.9578, 0.4463, 4.8489

Previews

White Background



This preview shows how the XYZ color 80.6207, 91.2134, 42.2109 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 80.6207, 91.2134, 42.2109 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 80.6207, 91.2134, 42.2109

Background



This preview shows how black text looks on a background with the XYZ color 80.6207, 91.2134, 42.2109.

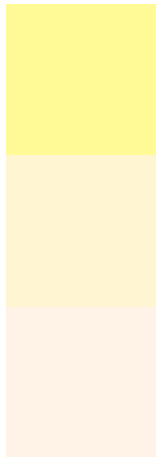


This preview shows how white text looks on a background with the XYZ color 80.6207, 91.2134,

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

80.6207, 91.2134, 42.2109

Protanopia

85.5253, 91.2180, 74.0719

Deuteranopia

87.7144, 91.1307, 88.5682



Tritanopia

89.9506, 91.0727, 103.2804

Trichromacy



Original Color

80.6207, 91.2134, 42.2109



Protanomaly

83.2729, 90.8024, 60.7146



Deuteranomaly

84.5531, 90.8291, 68.9525



Tritanomaly

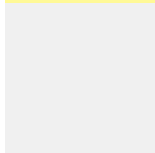
85.7283, 90.8164, 76.6293

Monochromacy



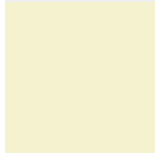
Original Color

80.6207, 91.2134, 42.2109



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.9693, 88.0187, 71.7532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6207, 91.2134, 42.2109 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, 249, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 150)  
}
```

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, 249, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 150) }
```

Border

The CSS property to change the border of an element to XYZ 80.6207, 91.2134, 42.2109 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, 249, 150) }
```


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

```
.border{ border-color:rgb(255, 249, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6207, 91.2134, 42.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 150) }
```

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

```
.background{ background-color: rgb(255,  
249, 150) }
```

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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