

Converting Colors

XYZ(79.9126, 91.3369, 45.6675)

Have a look what the booklet for
XYZ(79.9126, 91.3369, 45.6675)
contains.

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Color

**XYZ(79.7815, 91.1638,
45.7392)**

Conversions

Conversions Part 1

Format	Color
Hex	FAFA9E
RGB	250, 250, 158
RGB Percent	98%, 98%, 62%
CMY	0.0196, 0.0196, 0.3804
CMYK	0.00, 0.00, 0.37, 0.02
HSL	60°, 90%, 80%
HSV	60°, 37%, 98%
XYZ	79.7815, 91.1638, 45.7392
YIQ	239.5120, 29.5320, -28.6120

Conversions

Conversions Part 2

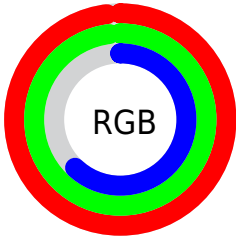
Format	Color
RYB	158, 250, 158
Decimal	16448158
CIELab	96.48, -13.16, 44.14
CIElCh	96, 46.061, 106.603
Yxy	91.1638, 0.3682, 0.4207
Android (android.graphics.Color)	4294638238 (0xFFFAFA9E)
YUV	239.5120, -40.1854, 9.1980
Hunter-Lab	95.4797, -17.9375, 38.4332

Details

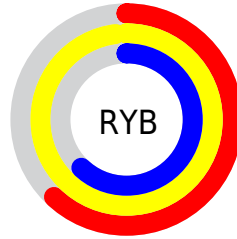
The XYZ color **79.7815, 91.1638, 45.7392** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.5860, 38.6272, 95.6063**, and the grayscale version is **82.7328, 87.0413, 94.7880**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **43.5798, 50.8100, 20.8750** is the 20% darker color. If you saturate the color by 10%, you get **77.8451, 90.3924, 35.5357**, and if you desaturate by 10%, it is **82.1602, 92.1186, 58.2520**.

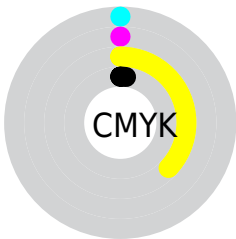
Distribution



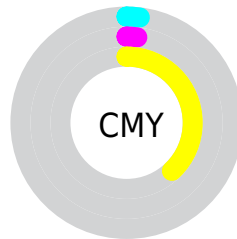
- Red (98%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7815, 91.1638, 45.7392 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 79.7815, 91.1638, 45.7392 by changing the saturation by 10% instead.

79.7815, 91.1638,
45.7392

79.7815, 91.1638,
45.7392

482.9439,
531.8094, 386.0062

59.8464, 68.9463,
31.6929

132.0106,
148.9539, 85.1587

43.5438, 50.6680,
20.8642

165.0354,
185.2953, 111.3690

30.5084, 35.9444,
12.8345

203.1541,
227.1135, 142.4710

20.3748, 24.3913,
7.1853

246.7320,
274.7928, 178.8834

12.7776, 15.6241,
3.4980

296.1347,
328.7176, 221.0245

7.3515, 9.2586,
1.3542

351.7273,

3.7312, 4.9102,

389.2724, 269.3130

0.1056

413.8752,
456.8416, 324.1674

■ 1.5512, 2.1947,
0.0000

■ 0.3603, 0.7171,
0.0000

■ 79.7815, 91.1638,
45.7392

■ 79.7815, 91.1638,
45.7392

■ 77.8451, 90.3924,
35.5357

■ 82.1602, 92.1186,
58.2520

■ 76.3176, 89.7813,
27.4949

■ 84.9989, 93.2541,
73.1970

■ 75.1715, 89.3228,
21.4628

■ 88.3225, 94.5836,
90.6957

■ 74.3732, 89.0034,
17.2625

■ 91.6645, 95.9205,
108.2910

■ 73.8834, 88.8074,
14.6863

■ 91.6651, 95.9208,
108.2910

■ 73.6520, 88.7148,
13.4715

■ 91.6657, 95.9212,
108.2911

■ 73.6080, 88.6972,
13.2407

■ 91.6663, 95.9215,
108.2911

■ 91.6670, 95.9218,
108.2911

■ 91.6676, 95.9221,
108.2912

Harmonies

Analogous

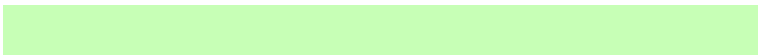
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4973, 91.1638, 45.1308



79.7815, 91.1638, 45.7392



69.9140, 91.1638, 58.1664

Triad

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



79.7815, 91.1638, 45.7392



70.7643, 91.1638, 160.0338



112.9616, 91.1638, 116.5676

Complementary

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



79.7815, 91.1638, 45.7392



43.5860, 38.6272, 95.6063

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.



105.8605, 91.1638, 156.2168



79.7815, 91.1638, 45.7392



81.0515, 91.1638, 185.1875

Square

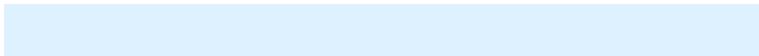
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7815, 91.1638, 45.7392



65.0711, 91.1638, 120.8747



93.8986, 91.1638, 183.6395



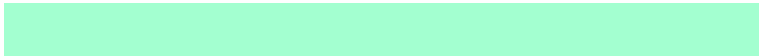
112.5353, 91.1638, 80.3923

Rectangle

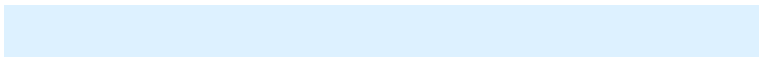
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7815, 91.1638, 45.7392



65.9016, 91.1638, 73.7415



93.8986, 91.1638, 183.6395



111.3480, 91.1638, 130.0802

Sweetspot

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



79.7838, 91.1679, 45.7411



90.8575, 98.3229, 86.8264



57.8258, 47.2486, 38.4211



19.3461, 21.0047, 18.0519



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

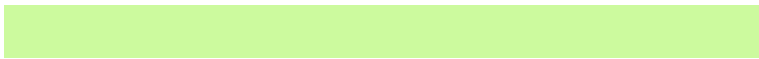
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7838, 91.1679, 45.7411



81.9399, 94.7556, 39.8782



65.2625, 83.6820, 45.0615



18.7273, 20.1907, 18.3726



39.0418, 47.0451, 7.0229



3.6160, 4.3572, 0.6504

Inverse Universe

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



43.5860, 38.6272, 95.6063



39.1369, 32.6274, 98.8427



54.3868, 44.1952, 96.1118



16.2832, 16.6431, 21.7395



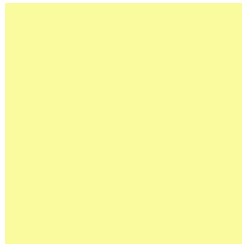
9.1529, 3.6612, 48.1978



0.8478, 0.3391, 4.4639

Previews

White Background



This preview shows how the XYZ color 79.7815, 91.1638, 45.7392 looks on a white background.

Color Contrast Check

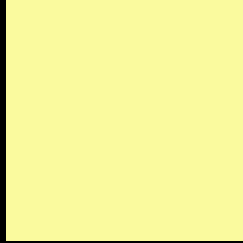
Large Text (above 18pt) WCAG AA × Fail

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 79.7815, 91.1638, 45.7392 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 79.7815, 91.1638, 45.7392

Background



This preview shows how black text looks on a background with the XYZ color 79.7815, 91.1638, 45.7392.

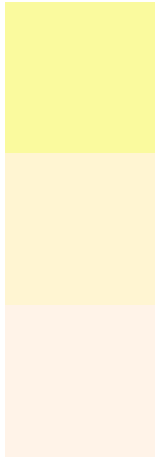


This preview shows how white text looks on a background with the XYZ color 79.7815, 91.1638,

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

79.7815, 91.1638, 45.7392

Protanopia

85.5253, 91.2180, 74.0719

Deuteranopia

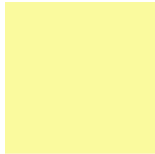
87.8561, 91.1874, 89.3143



Tritanopia

90.2660, 91.1989, 104.9411

Trichromacy



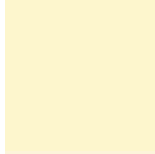
Original Color

79.7815, 91.1638, 45.7392



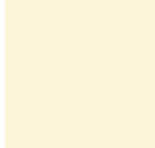
Protanomaly

83.1727, 91.1658, 62.5033



Deuteranomaly

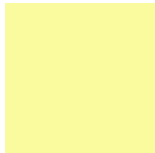
84.4832, 91.2020, 70.9086



Tritanomaly

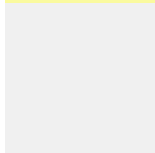
85.5136, 90.6460, 79.3190

Monochromacy



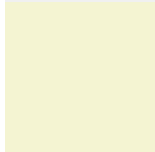
Original Color

79.7815, 91.1638, 45.7392



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.2918, 88.5876, 73.7874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7815, 91.1638, 45.7392 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(250, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(250, 250, 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(250, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 250, 158) }
```

Border

The CSS property to change the border of an element to XYZ 79.7815, 91.1638, 45.7392 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(250, 250, 158) }
```


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

```
.border{ border-color:rgb(250, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(250, 250,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7815, 91.1638, 45.7392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 250, 158) }
```

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

```
.background{ background-color: rgb(250,  
250, 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](#).

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