

Converting Colors

XYZ(79.8153, 89.9504, 50.7587)

Have a look what the booklet for
XYZ(79.8153, 89.9504, 50.7587)
contains.

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Color

**XYZ(79.7958, 90.1391,
50.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F8A9
RGB	249, 248, 169
RGB Percent	98%, 97%, 66%
CMY	0.0235, 0.0274, 0.3372
CMYK	0.00, 0.00, 0.32, 0.02
HSL	59°, 87%, 82%
HSV	59°, 32%, 98%
XYZ	79.7958, 90.1391, 50.7290
YIQ	239.2930, 25.9550, -24.3570

Conversions

Conversions Part 2

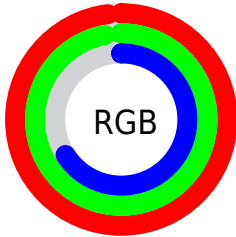
Format	Color
RYB	170, 249, 169
Decimal	16382121
CIELab	96.05, -11.31, 38.15
CIELCh	96, 39.792, 106.513
Yxy	90.1391, 0.3616, 0.4085
Android (android.graphics.Color)	4294572201 (0xFFFF9F8A9)
YUV	239.2930, -34.6544, 8.5130
Hunter-Lab	94.9416, -16.1235, 34.7794

Details

The XYZ color **79.7958, 90.1391, 50.7290** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.8357, 44.0230, 95.5989**, and the grayscale version is **82.5218, 86.8194, 94.5463**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **43.7403, 50.1667, 23.9008** is the 20% darker color. If you saturate the color by 10%, you get **77.5832, 89.1052, 39.5366**, and if you desaturate by 10%, it is **82.4583, 91.3596, 64.2697**.

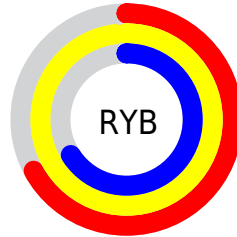
Distribution



Red (98%)

Green (97%)

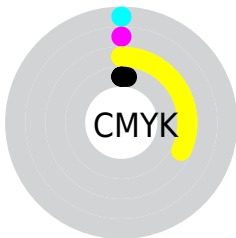
Blue (66%)



Red (67%)

Yellow (98%)

Blue (66%)

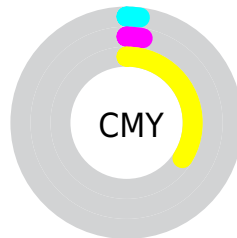


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (2%)



Cyan (2%)

Magenta (3%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7958, 90.1391, 50.7290 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 79.7958, 90.1391, 50.7290 by changing the saturation by 10% instead.

79.7958, 90.1391,
50.7290

79.7958, 90.1391,
50.7290

482.9914,
528.4832, 406.3264

59.8582, 68.0960,
35.6178

132.0306,
147.5316, 92.6615

43.5534, 49.9759,
23.8518

165.0586,
183.6498, 120.3198

30.5160, 35.3942,
15.0125

203.1807,
225.2285, 152.9975

20.3806, 23.9667,
8.6815

246.7624,
272.6521, 191.1132

12.7818, 15.3089,
4.4400

296.1689,
326.3050, 235.0854

7.3545, 9.0365,
1.8697

351.7657,

3.7330, 4.7650,

386.5715, 285.3326

0.4734

413.9181,
453.8361, 342.2735

■ 1.5522, 2.1100,
0.0000

■ 0.3610, 0.6703,
0.0000

■ 79.7958, 90.1391,
50.7290

■ 79.7958, 90.1391,
50.7290

■ 77.5832, 89.1052,
39.5366

■ 82.4583, 91.3596,
64.2697

■ 75.7884, 88.2354,
30.5532


■ 85.5872, 92.7637,
80.2759


■ 74.3857, 87.5227,
23.6340


■ 89.2065, 94.3643,
98.8638


■ 73.3439, 86.9547,
18.6142


■ 91.0682, 95.2621,
108.1954


 72.6268, 86.5168,
15.3042

 91.1640, 95.4537,
108.2273


 72.1912, 86.1917,
13.4752

 91.2600, 95.6457,
108.2593

 71.9944, 85.9944,
12.8041

 91.3562, 95.8380,
108.2913

 91.4525, 96.0307,
108.3235

 91.5489, 96.2236,
108.3556

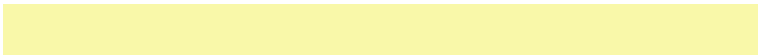
Harmonies

Analogous

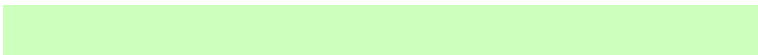
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7087, 90.1391, 50.1972



79.7958, 90.1391, 50.7290



71.2114, 90.1391, 62.0474

Triad

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



79.7958, 90.1391, 50.7290



71.9125, 90.1391, 149.0474



107.9594, 90.1391, 112.9806

Complementary

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



79.7958, 90.1391, 50.7290



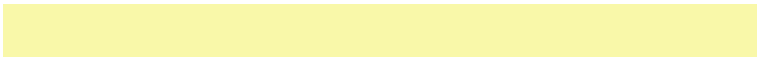
47.8357, 44.0230, 95.5989

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.



101.9742, 90.1391, 146.0763



79.7958, 90.1391, 50.7290



80.8301, 90.1391, 169.7174

Square

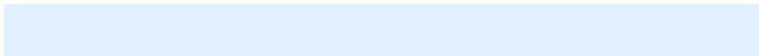
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7958, 90.1391, 50.7290



66.9341, 90.1391, 116.4115



91.8351, 90.1391, 168.5263



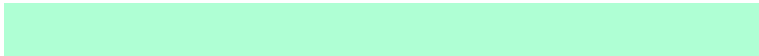
107.6222, 90.1391, 81.8989

Rectangle

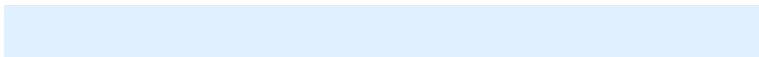
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7958, 90.1391, 50.7290



67.6842, 90.1391, 75.9064



91.8351, 90.1391, 168.5263



106.5997, 90.1391, 124.3539

Sweetspot

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



79.7981, 90.1432, 50.7309



91.1118, 98.2631, 88.6599



60.5430, 51.4317, 44.9333



19.3923, 20.9837, 18.4159



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

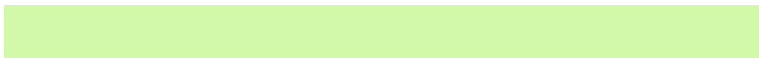
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7981, 90.1432, 50.7309



82.5698, 94.3792, 45.1182



67.7112, 84.3671, 50.2530



18.7078, 20.1515, 18.3660



38.5458, 46.0482, 6.8566



3.5758, 4.2764, 0.6370

Inverse Universe

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



47.8357, 44.0230, 95.5989



43.6941, 38.2846, 99.6945



57.2066, 48.5783, 95.9843



16.3004, 16.6775, 21.7453



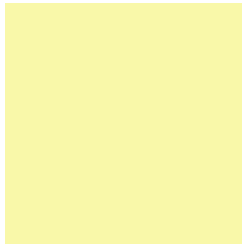
9.1782, 3.7120, 48.2063



0.8560, 0.3556, 4.4667

Previews

White Background



This preview shows how the XYZ color 79.7958, 90.1391, 50.7290 looks on a white background.

Color Contrast Check

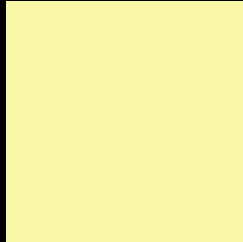
Large Text (above 18pt) WCAG AA × Fail

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 79.7958, 90.1391, 50.7290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

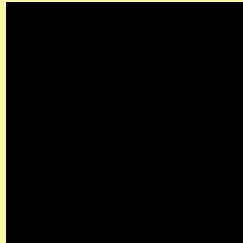
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.7958, 90.1391, 50.7290

Background



This preview shows how black text looks on a background with the XYZ color 79.7958, 90.1391, 50.7290.



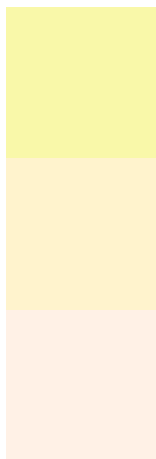
This preview shows how white text looks on a background with the XYZ color 79.7958, 90.1391,

50.7290.

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

79.7958, 90.1391, 50.7290

Protanopia

84.3100, 89.7690, 70.6411

Deuteranopia

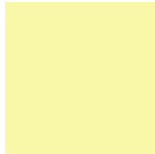
86.9782, 89.8838, 87.6280



Tritanopia

89.6772, 90.0213, 104.7448

Trichromacy



Original Color

79.7958, 90.1391, 50.7290



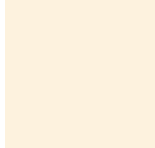
Protanomaly

82.6748, 89.9932, 62.8822



Deuteranomaly

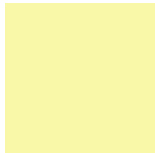
84.2439, 90.1381, 72.6328



Tritanomaly

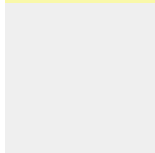
85.4450, 89.6608, 81.9101

Monochromacy



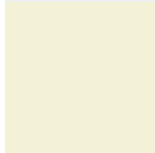
Original Color

79.7958, 90.1391, 50.7290



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.8519, 87.4140, 76.2296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7958, 90.1391, 50.7290 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(249, 248, 169)` looks like.

```
.text, #text, p{  
    color:rgb(249, 248, 169)  
}
```

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(249, 248, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 248, 169) }
```

Border

The CSS property to change the border of an element to XYZ 79.7958, 90.1391, 50.7290 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(249, 248, 169) }
```


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

```
.border{ border-color:rgb(249, 248, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 248, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 248, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 248, 169);  
box-shadow:4px 4px 4px 4px rgb(249, 248,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7958, 90.1391, 50.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 248, 169) }
```

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

```
.background{ background-color: rgb(249,  
248, 169) }
```

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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