

Converting Colors

XYZ(79.9185, 91.8870, 35.5707)

Have a look what the booklet for
XYZ(79.9185, 91.8870, 35.5707)
contains.

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Color

**XYZ(79.9708, 91.9478,
35.7231)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB85
RGB	255, 251, 133
RGB Percent	100%, 98%, 52%
CMY	0.0000, 0.0157, 0.4784
CMYK	0.00, 0.02, 0.48, 0.00
HSL	58°, 100%, 76%
HSV	58°, 48%, 100%
XYZ	79.9708, 91.9478, 35.7231
YIQ	238.7440, 40.2620, -35.8500

Conversions

Conversions Part 2

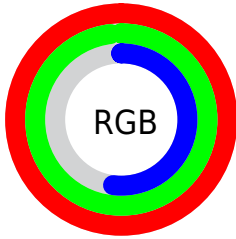
Format	Color
RYB	137, 255, 133
Decimal	16776069
CIELab	96.80, -14.17, 56.54
CIELCh	97, 58.290, 104.074
Yxy	91.9478, 0.3851, 0.4428
Android (android.graphics.Color)	4294966149 (0xFFFFFB85)
YUV	238.7440, -52.1318, 14.2565
Hunter-Lab	95.8894, -18.9393, 45.0344

Details

The XYZ color **79.9708, 91.9478, 35.7231** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.6685, 30.0971, 98.4841**, and the grayscale version is **82.2177, 86.4994, 94.1979**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **43.6913, 51.3305, 15.0021** is the 20% darker color. If you saturate the color by 10%, you get **78.1594, 90.8103, 27.4579**, and if you desaturate by 10%, it is **82.2154, 93.2671, 46.2445**.

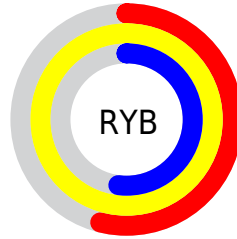
Distribution



Red (100%)

Green (98%)

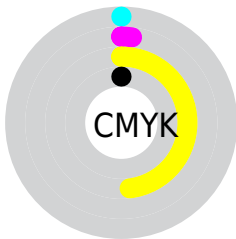
Blue (52%)



Red (54%)

Yellow (100%)

Blue (52%)

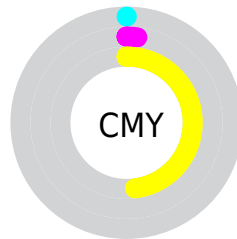


Cyan (0%)

Magenta (2%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9708, 91.9478, 35.7231 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 79.9708, 91.9478, 35.7231 by changing the saturation by 10% instead.


 79.9708, 91.9478,
35.7231


 79.9708, 91.9478,
35.7231


483.5725,
534.3468, 342.7494


 60.0027, 69.5973,
23.9324


 132.2754,
150.0410, 69.7687

 43.6703, 51.1983,
15.0718


 165.3427,
186.5525, 92.8607

 30.6082, 36.3664,
8.7226


 203.5070,
228.5532, 120.5569

 20.4510, 24.7173,
4.4663

247.1338,
276.4273, 153.2757

 12.8335, 15.8666,
1.8845

296.5883,
330.5593, 191.4359

 7.3902, 9.4298,
0.4828

352.2361,

 3.7558, 5.0226,

391.3337, 235.4559

0.0000

414.4423,
459.1347, 285.7542

■ 1.5649, 2.2605,
0.0000

■ 0.3694, 0.7527,
0.0000

■ 79.9708, 91.9478,
35.7231

■ 79.9708, 91.9478,
35.7231

■ 78.1594, 90.8103,
27.4579

■ 82.2154, 93.2671,
46.2445

■ 76.7431, 89.8294,
21.2773

■ 84.9150, 94.7669,
59.1655

■ 75.6883, 88.9948,
16.9948

■ 88.0976, 96.4617,
74.6245

■ 74.9527, 88.2899,
14.3878

■ 91.7872, 98.3612,
92.7476

■ 74.4799, 87.6918, 95.0499, 99.9999,
13.1587 108.9000

■ 74.3948, 87.5697,
12.9816

Harmonies

Analogous

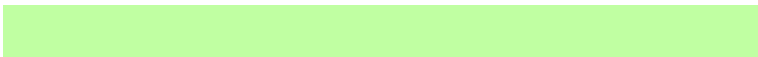
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3054, 91.9478, 36.1033



79.9708, 91.9478, 35.7231



67.3024, 91.9478, 48.3682

Triad

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



79.9708, 91.9478, 35.7231



66.7005, 91.9478, 176.6935



121.2380, 91.9478, 126.9039

Complementary

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



79.9708, 91.9478, 35.7231



36.6685, 30.0971, 98.4841

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.



111.1314, 91.9478, 179.7156



79.9708, 91.9478, 35.7231



79.0493, 91.9478, 214.0261

Square

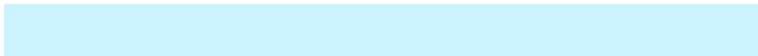
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9708, 91.9478, 35.7231



60.3129, 91.9478, 123.6401



95.2621, 91.9478, 215.2784



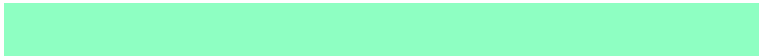
121.5654, 91.9478, 79.7818

Rectangle

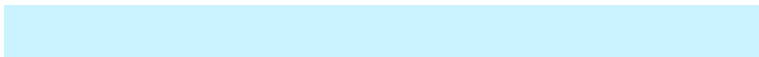
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9708, 91.9478, 35.7231



62.0632, 91.9478, 65.6900



95.2621, 91.9478, 215.2784



118.8201, 91.9478, 144.8559

Sweetspot

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



79.9730, 91.9520, 35.7250



89.4541, 97.1670, 81.2655



54.1482, 39.8441, 28.5300



18.9818, 20.7122, 16.5854



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

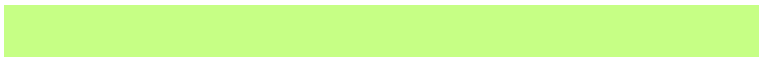
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9730, 91.9520, 35.7250



78.2965, 90.9003, 28.0710



63.3004, 85.2283, 35.3059



19.5073, 20.9827, 19.1663



38.8957, 45.8027, 6.7908



3.8025, 4.4904, 0.6663

Inverse Universe

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



36.6685, 30.0971, 98.4841



30.5003, 22.6393, 97.3700



47.6569, 34.9347, 98.8387



17.0507, 17.4729, 22.7239



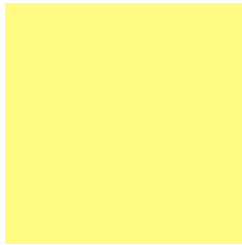
9.4995, 3.9085, 49.6883



0.9410, 0.4126, 4.8433

Previews

White Background



This preview shows how the XYZ color 79.9708, 91.9478, 35.7231 looks on a white background.

Color Contrast Check

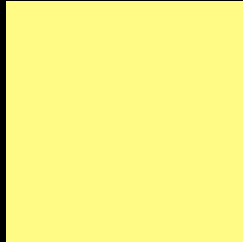
Large Text (above 18pt) WCAG AA × Fail

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 79.9708, 91.9478, 35.7231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

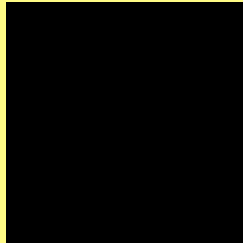
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.9708, 91.9478, 35.7231

Background



This preview shows how black text looks on a background with the XYZ color 79.9708, 91.9478, 35.7231.



This preview shows how white text looks on a background with the XYZ color 79.9708, 91.9478,

35.7231.

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



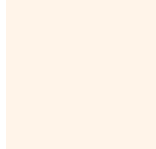
Original Color

79.9708, 91.9478, 35.7231



Protanopia

86.2060, 91.9756, 76.1603



Deuteranopia

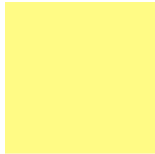
88.2987, 91.8446, 90.1647



Tritanopia

90.2474, 91.6664, 103.3793

Trichromacy



Original Color

79.9708, 91.9478, 35.7231



Protanomaly

83.4591, 91.8555, 58.6785



Deuteranomaly

84.5788, 91.8127, 66.0872



Tritanomaly

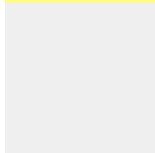
85.1549, 91.0698, 72.1216

Monochromacy



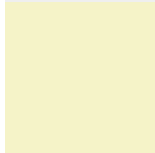
Original Color

79.9708, 91.9478, 35.7231



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1321, 87.6838, 67.3448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9708, 91.9478, 35.7231 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, 251, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 133)  
}
```

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, 251, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 133) }
```

Border

The CSS property to change the border of an element to XYZ 79.9708, 91.9478, 35.7231 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, 251, 133) }
```


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

```
.border{ border-color:rgb(255, 251, 133) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9708, 91.9478, 35.7231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 133) }
```

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

```
.background{ background-color: rgb(255,  
251, 133) }
```

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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