

Converting Colors

XYZ(82.2468, 91.5088, 38.7247)

Have a look what the booklet for
XYZ(82.2468, 91.5088, 38.7247)
contains.

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Color

**XYZ(79.6899, 90.3478,
38.8299)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF88E
RGB	255, 248, 142
RGB Percent	100%, 97%, 56%
CMY	0.0000, 0.0274, 0.4431
CMYK	0.00, 0.03, 0.44, 0.00
HSL	56°, 100%, 78%
HSV	56°, 44%, 100%
XYZ	79.6899, 90.3478, 38.8299
YIQ	238.0090, 38.1980, -31.4820

Conversions

Conversions Part 2

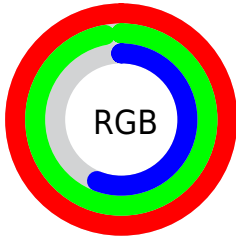
Format	Color
R _Y B	149, 255, 142
Decimal	16775310
CIE Lab	96.14, -11.89, 51.52
CIE LCh	96, 52.872, 102.997
Yxy	90.3478, 0.3815, 0.4326
Android (android.graphics.Color)	4294965390 (0xFFFFF88E)
YUV	238.0090, -47.3324, 14.9011
Hunter-Lab	95.0515, -16.6880, 42.3152

Details

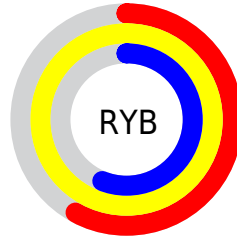
The XYZ color **79.6899, 90.3478, 38.8299** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.9526, 34.4647, 99.1542**, and the grayscale version is **81.6112, 85.8614, 93.5030**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **43.4178, 50.1563, 16.8440** is the 20% darker color. If you saturate the color by 10%, you get **77.5079, 88.7052, 29.7135**, and if you desaturate by 10%, it is **82.3183, 92.1821, 50.2577**.

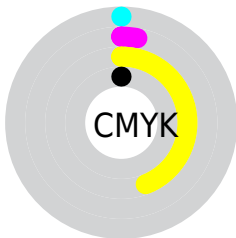
Distribution



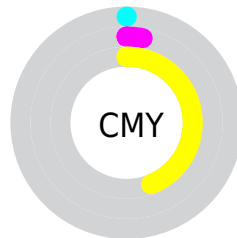
- Red (100%)
- Green (97%)
- Blue (56%)



- Red (58%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (3%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.6899, 90.3478, 38.8299 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 79.6899, 90.3478, 38.8299 by changing the saturation by 10% instead.


 79.6899, 90.3478,
38.8299

 79.6899, 90.3478,
38.8299


482.6396,
529.1616, 356.5711

 59.7708, 68.2691,
26.3206


 131.8825,
147.8214, 74.5959

 43.4827, 50.1167,
16.8357


 164.8867,
183.9852, 98.6896

 30.4602, 35.5062,
9.9567


202.9832,
225.6127, 127.4820

 20.3379, 24.0530,
5.2650

246.5376,
273.0885, 161.3914

 12.7506, 15.3730,
2.3422

295.9150,
326.7969, 200.8365

 7.3329, 9.0816,
0.7547

351.4810,

 3.7193, 4.7944,

387.1222, 246.2358

0.0000

413.6007,
454.4490, 298.0078

■ 1.5446, 2.1272,
0.0000

■ 0.3559, 0.6798,
0.0000

■ 79.6899, 90.3478,
38.8299

■ 79.6899, 90.3478,
38.8299

■ 77.5079, 88.7052,
29.7135

■ 82.3183, 92.1821,
50.2577

■ 75.7356, 87.2297,
22.7435

■ 85.4140, 94.2066,
64.1356

■ 74.3408, 85.9117,
17.7422

■ 89.0044, 96.4355,
80.5981

■ 73.2841, 84.7355,
14.5008

■ 93.1127, 98.8782,
99.7680

■ 72.5169, 83.6815, 95.0499, 100.0000,
12.7637 108.9000

■ 72.1704, 83.1209,
12.2402

Harmonies

Analogous

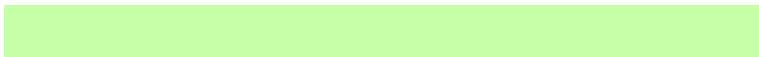
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3792, 90.3478, 39.6208



79.6899, 90.3478, 38.8299



68.0537, 90.3478, 50.3668

Triad

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



79.6899, 90.3478, 38.8299



66.8680, 90.3478, 164.3111



115.7372, 90.3478, 123.9094

Complementary

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



79.6899, 90.3478, 38.8299



39.9526, 34.4647, 99.1542

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.



106.5590, 90.3478, 169.9900



79.6899, 90.3478, 38.8299



77.8936, 90.3478, 197.4891

Square

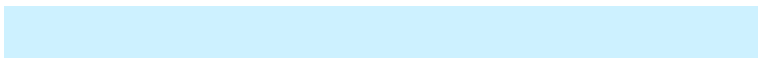
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6899, 90.3478, 38.8299



61.2383, 90.3478, 117.6630



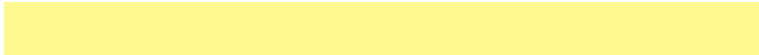
92.3677, 90.3478, 199.8215



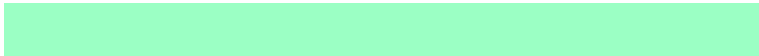
116.3602, 90.3478, 81.3164

Rectangle

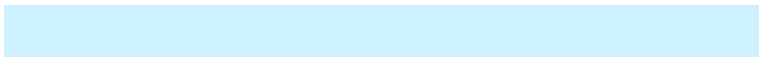
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6899, 90.3478, 38.8299



63.1332, 90.3478, 66.0930



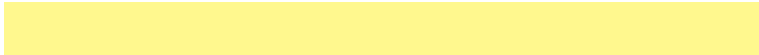
92.3677, 90.3478, 199.8215



113.5063, 90.3478, 139.7525

Sweetspot

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



79.6921, 90.3520, 38.8318



89.5137, 96.7439, 82.9574



56.3811, 42.7939, 33.9471



18.9774, 20.5967, 16.9129



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.



79.6921, 90.3520, 38.8318



77.7706, 88.9114, 30.7843



66.1058, 86.5997, 38.8236



19.4593, 20.8867, 19.1503



37.7520, 43.5152, 6.4095



3.7038, 4.2929, 0.6334

Inverse Universe

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



39.9526, 34.4647, 99.1542



33.5221, 26.6966, 97.9939



49.2013, 37.6391, 99.2795



17.0932, 17.5581, 22.7381



9.5610, 4.0316, 49.7088



0.9611, 0.4530, 4.8500

Previews

White Background



This preview shows how the XYZ color 79.6899, 90.3478, 38.8299 looks on a white background.

Color Contrast Check

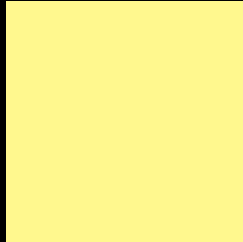
Large Text (above 18pt) WCAG AA × Fail

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 79.6899, 90.3478, 38.8299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

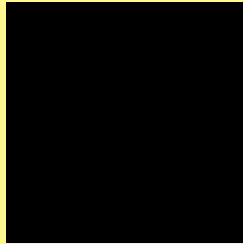
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.6899, 90.3478, 38.8299

Background



This preview shows how black text looks on a background with the XYZ color 79.6899, 90.3478, 38.8299.

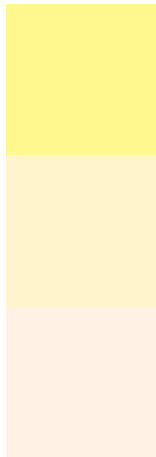


This preview shows how white text looks on a background with the XYZ color 79.6899, 90.3478,

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

79.6899, 90.3478, 38.8299

Protanopia

84.4898, 90.3210, 70.1073

Deuteranopia

87.1350, 90.4214, 86.9893



Tritanopia

89.3434, 90.3575, 101.5388

Trichromacy



Original Color

79.6899, 90.3478, 38.8299



Protanomaly

82.2329, 89.9010, 56.7346



Deuteranomaly

83.6687, 89.9926, 65.7838



Tritanomaly

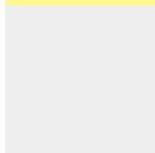
84.7992, 89.9646, 73.2171

Monochromacy



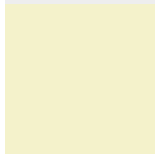
Original Color

79.6899, 90.3478, 38.8299



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.8398, 87.0492, 69.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6899, 90.3478, 38.8299 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, 248, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 142)  
}
```

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, 248, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 142) }
```

Border

The CSS property to change the border of an element to XYZ 79.6899, 90.3478, 38.8299 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, 248, 142) }
```


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

```
.border{ border-color:rgb(255, 248, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 248, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 248, 142); box-shadow:4px 4px 4px 4px rgb(255, 248, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6899, 90.3478, 38.8299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 142) }
```

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

```
.background{ background-color: rgb(255,  
248, 142) }
```

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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