

Converting Colors

XYZ(78.7016, 88.0058, 39.6269)

Have a look what the booklet for
XYZ(78.7016, 88.0058, 39.6269)
contains.

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Color

**XYZ(78.7015, 88.0057,
39.6268)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF491
RGB	255, 244, 145
RGB Percent	100%, 96%, 57%
CMY	0.0000, 0.0431, 0.4314
CMYK	0.00, 0.04, 0.43, 0.00
HSL	54°, 100%, 78%
HSV	54°, 43%, 100%
XYZ	78.7015, 88.0057, 39.6268
YIQ	236.0030, 38.3350, -28.4570

Conversions

Conversions Part 2

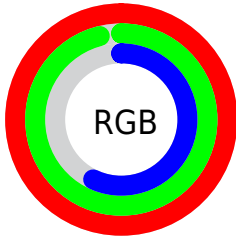
Format	Color
R_{YB}	157, 255, 145
Decimal	16774289
CIE _{Lab}	95.16, -9.64, 48.87
CIE _{LCh}	95, 49.809, 101.154
Yxy	88.0057, 0.3814, 0.4265
Android (android.graphics.Color)	4294964369 (0xFFFFFFFF491)
YUV	236.0030, -44.8645, 16.6604
Hunter-Lab	93.8114, -14.4202, 40.6233

Details

The XYZ color **78.7015, 88.0057, 39.6268** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.6153, 37.0155, 99.5589**, and the grayscale version is **80.0452, 84.2138, 91.7088**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **42.9409, 48.6095, 17.2445** is the 20% darker color. If you saturate the color by 10%, you get **76.1911, 85.7862, 30.1542**, and if you desaturate by 10%, it is **81.6682, 90.4311, 51.4306**.

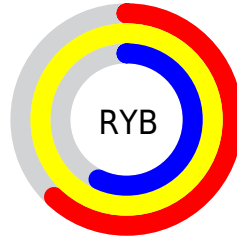
Distribution



Red (100%)

Green (96%)

Blue (57%)



Red (62%)

Yellow (100%)

Blue (57%)

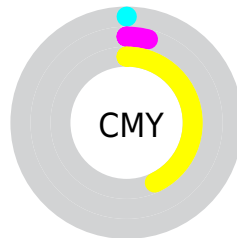


Cyan (0%)

Magenta (4%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7015, 88.0057, 39.6268 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 78.7015, 88.0057, 39.6268 by changing the saturation by 10% instead.


 78.7015, 88.0057,
39.6268


 78.7015, 88.0057,
39.6268


479.3494,
521.5219, 360.0533

 58.9552, 66.3278,
26.9361

 130.4987,
144.5651, 75.8257

 42.8233, 48.5385,
17.2932

 163.2803,
180.2154, 100.1711

 29.9404, 34.2536,
10.2796


201.1377,
221.2919, 129.2384

 19.9412, 23.0885,
5.4767

244.4363,
268.1790, 163.4462

 12.4603, 14.6588,
2.4660

293.5414,
321.2612, 203.2130

 7.1324, 8.5803,
0.8221

348.8184,

 3.5921, 4.4685,

380.9228, 248.9575

0.0000

410.6326,
447.5483, 301.0981

■ 1.4741, 1.9389,
0.0000

■ 0.3081, 0.5716,
0.0000

■ 78.7015, 88.0057,
39.6268

■ 78.7015, 88.0057,
39.6268

■ 76.1911, 85.7862,
30.1542

■ 81.6682, 90.4311,
51.4306

■ 74.1005, 83.7483,
22.8499

■ 85.1117, 93.0610,
65.7029

■ 72.3983, 81.8826,
17.5388

■ 89.0594, 95.9097,
82.5768

■ 71.0456, 80.1735,
14.0163

■ 93.5343, 98.9865,
102.1743

■ 69.9950, 78.6019, 95.0499, 100.0000,
12.0337 108.9000

■ 69.4020, 77.5841,
11.3173

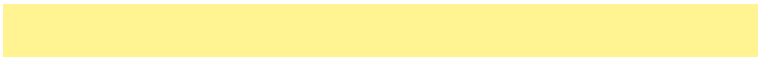
Harmonies

Analogous

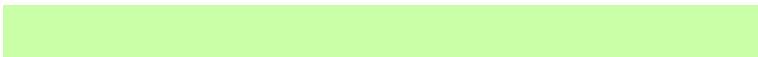
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3594, 88.0057, 41.0842



78.7015, 88.0057, 39.6268



67.6278, 88.0057, 49.8613

Triad

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



78.7015, 88.0057, 39.6268



65.5028, 88.0057, 153.8744



110.8424, 88.0057, 122.0388

Complementary

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



78.7015, 88.0057, 39.6268



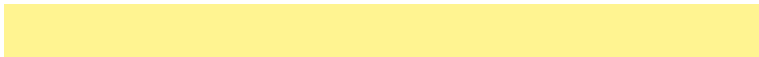
41.6153, 37.0155, 99.5589

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.



102.0145, 88.0057, 163.7992



78.7015, 88.0057, 39.6268



75.5001, 88.0057, 185.3406

Square

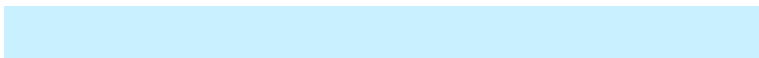
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7015, 88.0057, 39.6268



60.5752, 88.0057, 111.0135



88.7950, 88.0057, 189.3969



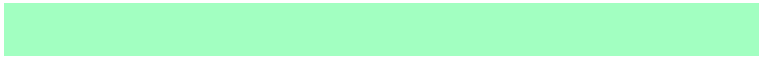
111.9388, 88.0057, 82.0860

Rectangle

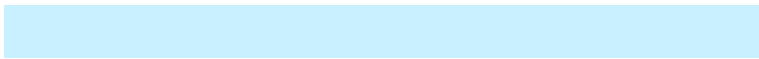
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7015, 88.0057, 39.6268



62.8151, 88.0057, 64.1100



88.7950, 88.0057, 189.3969



108.6394, 88.0057, 136.5750

Sweetspot

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



78.7036, 88.0097, 39.6286



89.1169, 95.9503, 82.8252



57.3667, 43.9120, 36.9059



18.8783, 20.3984, 16.8798



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

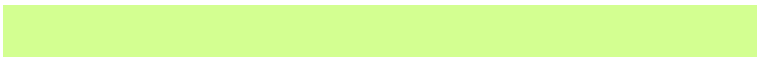
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7036, 88.0097, 39.6286



76.4549, 86.0294, 31.1183



67.7352, 87.4133, 40.0916



19.3970, 20.7621, 19.1295



36.3273, 40.6658, 5.9346



3.5801, 4.0455, 0.5922

Inverse Universe

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



41.6153, 37.0155, 99.5589



34.8880, 28.8973, 98.3467



49.1624, 38.2906, 99.4072



17.1490, 17.6697, 22.7567



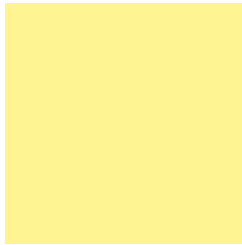
9.6663, 4.2422, 49.7439



0.9875, 0.5056, 4.8588

Previews

White Background



This preview shows how the XYZ color 78.7015, 88.0057, 39.6268 looks on a white background.

Color Contrast Check

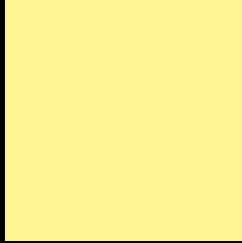
Large Text (above 18pt) WCAG AA × Fail

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 78.7015, 88.0057, 39.6268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

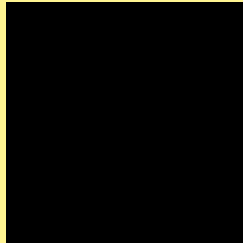
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7015, 88.0057, 39.6268

Background



This preview shows how black text looks on a background with the XYZ color 78.7015, 88.0057, 39.6268.



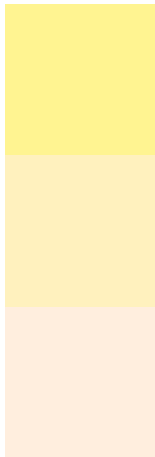
This preview shows how white text looks on a background with the XYZ color 78.7015, 88.0057,

39.6268.

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

78.7015, 88.0057, 39.6268

Protanopia

81.9896, 87.8883, 61.3580

Deuteranopia

84.9994, 87.6830, 81.5518



Tritanopia

87.8700, 87.9047, 99.5248

Trichromacy



Original Color

78.7015, 88.0057, 39.6268



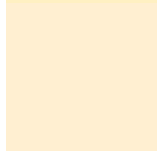
Protanomaly

80.6321, 87.8203, 52.7456



Deuteranomaly

82.1377, 87.4752, 63.5942



Tritanomaly

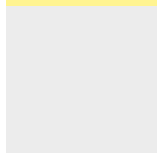
83.6151, 87.5965, 72.8224

Monochromacy



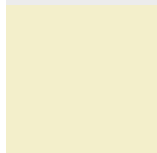
Original Color

78.7015, 88.0057, 39.6268



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.6081, 85.0995, 68.7827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7015, 88.0057, 39.6268 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, 244, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 145)  
}
```

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, 244, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 145) }
```

Border

The CSS property to change the border of an element to XYZ 78.7015, 88.0057, 39.6268 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, 244, 145) }
```


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

```
.border{ border-color:rgb(255, 244, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7015, 88.0057, 39.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 145) }
```

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

```
.background{ background-color: rgb(255,  
244, 145) }
```

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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