

Converting Colors

XYZ(78.0221, 88.1190, 34.8620)

Have a look what the booklet for
XYZ(78.0221, 88.1190, 34.8620)
contains.

XYZ(78.0573, 88.2308, 34.7460)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.0573, 88.2308,
34.7460)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF584
RGB	255, 245, 132
RGB Percent	100%, 96%, 52%
CMY	0.0000, 0.0392, 0.4823
CMYK	0.00, 0.04, 0.48, 0.00
HSL	55°, 100%, 76%
HSV	55°, 48%, 100%
XYZ	78.0573, 88.2308, 34.7460
YIQ	235.1080, 42.2330, -33.0230

Conversions

Conversions Part 2

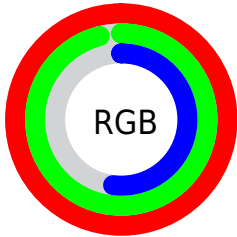
Format	Color
R _Y B	143, 255, 132
Decimal	16774532
CIE Lab	95.26, -11.33, 55.15
CIE LCh	95, 56.304, 101.607
Yxy	88.2308, 0.3883, 0.4389
Android (android.graphics.Color)	4294964612 (0xFFFFF584)
YUV	235.1080, -50.8322, 17.4453
Hunter-Lab	93.9313, -16.0454, 43.8200

Details

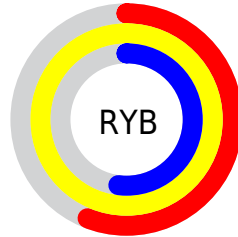
The XYZ color **78.0573, 88.2308, 34.7460** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.2386, 31.4706, 98.7193**, and the grayscale version is **79.4024, 83.5375, 90.9724**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **42.3738, 48.6955, 14.5630** is the 20% darker color. If you saturate the color by 10%, you get **75.8988, 86.3733, 26.4447**, and if you desaturate by 10%, it is **80.6535, 90.2811, 45.2991**.

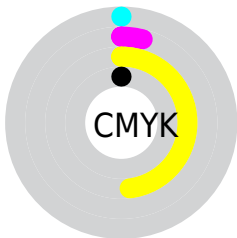
Distribution



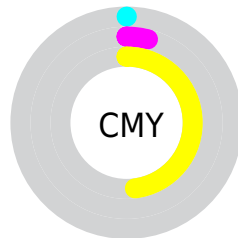
- Red (100%)
- Green (96%)
- Blue (52%)



- Red (56%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (4%)
- Yellow (48%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0573, 88.2308, 34.7460 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 78.0573, 88.2308, 34.7460 by changing the saturation by 10% instead.


 78.0573, 88.2308,
34.7460


 78.0573, 88.2308,
34.7460


477.1982,
522.2588, 338.3159


 58.4240, 66.5142,
23.1853


 129.5958,
144.8784, 68.2392

 42.3942, 48.6900,
14.5238


 162.2318,
180.5783, 91.0088

 29.6025, 34.3736,
8.3430


 199.9326,
221.7080, 118.3517

 19.6837, 23.1808,
4.2243

243.0638,
268.6520, 150.6866

 12.2722, 14.7270,
1.7492

291.9906,
321.7947, 188.4319

 7.0029, 8.6280,
0.3941

347.0783,

 3.5102, 4.4994,

381.5205, 232.0062

0.0000

408.6924,
448.2137, 281.8280

■ 1.4290, 1.9566,
0.0000

■ 0.2767, 0.5821,
0.0000

■ 78.0573, 88.2308,
34.7460

■ 78.0573, 88.2308,
34.7460

■ 75.8988, 86.3733,
26.4447

■ 80.6535, 90.2811,
45.2991

■ 74.1400, 84.6837,
20.2232

■ 83.7096, 92.5233,
58.2483

■ 72.7471, 83.1516,
15.8937

■ 87.2537, 94.9720,
73.7323

■ 71.6774, 81.7599,
13.2320

■ 91.3097, 97.6369,
91.8775

■ 70.8722, 80.4851, 95.0499, 99.9999,
11.9291 108.9000

■ 70.7431, 80.2663,
11.7644

Harmonies

Analogous

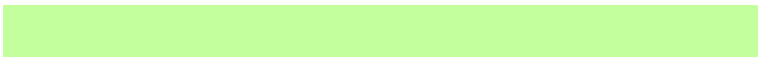
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5306, 88.2308, 36.0784



78.0573, 88.2308, 34.7460



65.7367, 88.2308, 45.6824

Triad

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



78.0573, 88.2308, 34.7460



63.6570, 88.2308, 163.8984



115.1279, 88.2308, 125.3094

Complementary

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



78.0573, 88.2308, 34.7460



37.2386, 31.4706, 98.7193

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.



105.0428, 88.2308, 174.2182



78.0573, 88.2308, 34.7460



74.8815, 88.2308, 200.7734

Square

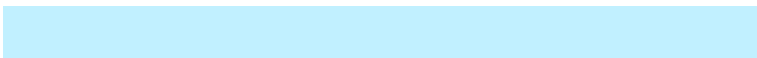
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0573, 88.2308, 34.7460



58.1271, 88.2308, 114.1126



89.9449, 88.2308, 205.0400



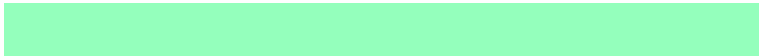
116.2495, 88.2308, 80.0342

Rectangle

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



78.0573, 88.2308, 34.7460



60.4678, 88.2308, 61.1956



89.9449, 88.2308, 205.0400



112.6212, 88.2308, 142.1702

Sweetspot

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



78.0594, 88.2349, 34.7478



88.9074, 96.0736, 81.0832



54.3931, 39.7240, 30.4915



18.8470, 20.4425, 16.5405



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

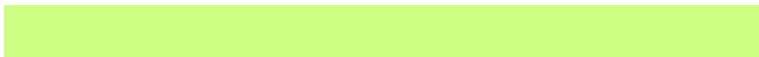
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0594, 88.2349, 34.7478



75.9448, 86.4151, 26.6146



64.7587, 85.9881, 35.0152



19.4275, 20.8233, 19.1397



37.0177, 42.0465, 6.1648



3.6401, 4.1656, 0.6122

Inverse Universe

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



37.2386, 31.4706, 98.7193



30.7361, 23.5733, 97.5379



45.8900, 33.8216, 98.7170



17.1216, 17.6148, 22.7475



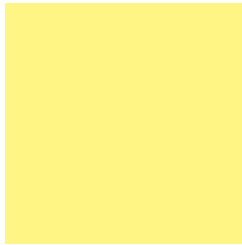
9.6100, 4.1297, 49.7252



0.9745, 0.4798, 4.8545

Previews

White Background



This preview shows how the XYZ color 78.0573, 88.2308, 34.7460 looks on a white background.

Color Contrast Check

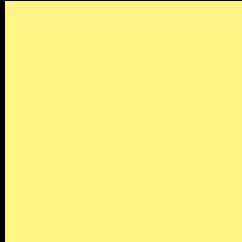
Large Text (above 18pt) WCAG AA × Fail

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 78.0573, 88.2308, 34.7460 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 78.0573, 88.2308, 34.7460

Background



This preview shows how black text looks on a background with the XYZ color 78.0573, 88.2308, 34.7460.



This preview shows how white text looks on a background with the XYZ color 78.0573, 88.2308,

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

78.0573, 88.2308, 34.7460

Protanopia

81.9896, 87.8883, 61.3580

Deuteranopia

85.2913, 88.2669, 81.6491



Tritanopia

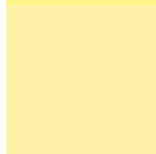
87.8700, 87.9047, 99.5248

Trichromacy



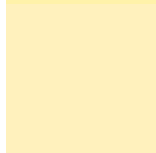
Original Color

78.0573, 88.2308, 34.7460



Protanomaly

80.1536, 87.6288, 50.2256



Deuteranomaly

81.8806, 87.8447, 60.7843



Tritanomaly

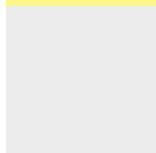
83.1259, 87.4008, 70.2464

Monochromacy



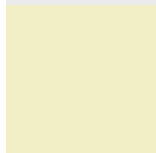
Original Color

78.0573, 88.2308, 34.7460



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

77.6775, 84.6875, 65.6784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0573, 88.2308, 34.7460 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, 245, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 132)  
}
```

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, 245, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 132) }
```

Border

The CSS property to change the border of an element to XYZ 78.0573, 88.2308, 34.7460 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, 245, 132) }
```


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

```
.border{ border-color:rgb(255, 245, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0573, 88.2308, 34.7460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 132) }
```

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

```
.background{ background-color: rgb(255,  
245, 132) }
```

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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