

Converting Colors

XYZ(76.3475, 87.2433, 38.6141)

Have a look what the booklet for
XYZ(76.3475, 87.2433, 38.6141)
contains.

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Color

**XYZ(76.3217, 87.2444,
38.8039)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F58F
RGB	248, 245, 143
RGB Percent	97%, 96%, 56%
CMY	0.0275, 0.0392, 0.4392
CMYK	0.00, 0.01, 0.42, 0.03
HSL	58°, 88%, 77%
HSV	58°, 42%, 97%
XYZ	76.3217, 87.2444, 38.8039
YIQ	234.2690, 34.5300, -31.0860

Conversions

Conversions Part 2

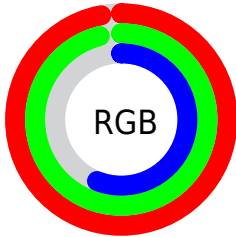
Format	Color
R _Y B	146, 248, 143
Decimal	16315791
CIE Lab	94.84, -13.03, 49.31
CIE LCh	95, 51.002, 104.803
Yxy	87.2444, 0.3771, 0.4311
Android (android.graphics.Color)	4294505871 (0xFFFF8F58F)
YUV	234.2690, -44.9956, 12.0421
Hunter-Lab	93.4047, -17.6045, 40.7520

Details

The XYZ color **76.3217, 87.2444, 38.8039** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.5498, 33.1738, 93.1782**, and the grayscale version is **78.7245, 82.8243, 90.1956**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **41.2783, 48.0805, 16.7777** is the 20% darker color. If you saturate the color by 10%, you get **74.4343, 86.1510, 29.9086**, and if you desaturate by 10%, it is **78.6295, 88.5136, 49.8902**.

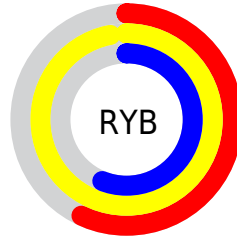
Distribution



Red (97%)

Green (96%)

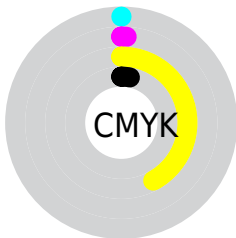
Blue (56%)



Red (57%)

Yellow (97%)

Blue (56%)

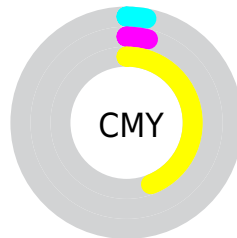


Cyan (0%)

Magenta (1%)

Yellow (42%)

Black (3%)



Cyan (3%)

Magenta (4%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3217, 87.2444, 38.8039 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 76.3217, 87.2444, 38.8039 by changing the saturation by 10% instead.

76.3217, 87.2444,
38.8039

76.3217, 87.2444,
38.8039

471.3757,
519.0256, 356.4571

56.9943, 65.6975,
26.3005

127.1595,
143.5047, 74.5557

41.2408, 48.0269,
16.8208

159.4006,
178.9870, 98.6412

28.6958, 33.8482,
9.9462

196.6770,
219.8830, 127.4245

18.9939, 22.7770,
5.2582

239.3540,
266.5774, 161.3242

11.7699, 14.4289,
2.3382

287.7971,
319.4545, 200.7587

6.6583, 8.4196,
0.7525

342.3714,

3.2937, 4.3646,

378.8986, 246.1467

0.0000

403.4425,
445.2942, 297.9066

■ 1.3109, 1.8795,
0.0000

■ 0.1914, 0.5360,
0.0000

■ 76.3217, 87.2444,
38.8039

■ 76.3217, 87.2444,
38.8039

■ 74.4343, 86.1510,
29.9086

■ 78.6295, 88.5136,
49.8902

■ 72.9332, 85.2102,
23.0530


■ 81.3765, 89.9566,
63.2945


■ 71.7895, 84.4138,
18.0756

■ 84.5880, 91.5867,
79.1405


■ 70.9675, 83.7473,
14.7880


■ 88.2854, 93.4125,
97.5415


 70.4239, 83.1935,
12.9624


 90.4955, 94.6447,
108.1064

 70.1458, 82.8253,
12.2898

 90.7139, 95.0815,
108.1792

 90.9331, 95.5200,
108.2523

 91.1532, 95.9602,
108.3256

 91.3741, 96.4019,
108.3992

Harmonies

Analogous

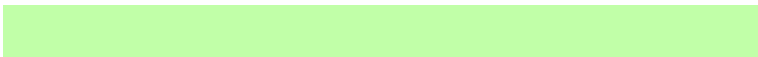
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0814, 87.2444, 38.8786



76.3217, 87.2444, 38.8039



65.5822, 87.2444, 50.6038

Triad

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



76.3217, 87.2444, 38.8039



65.4716, 87.2444, 159.2984



111.2815, 87.2444, 116.3592

Complementary

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



76.3217, 87.2444, 38.8039



38.5498, 33.1738, 93.1782

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.



103.0795, 87.2444, 159.8221



76.3217, 87.2444, 38.8039



76.1546, 87.2444, 188.9150

Square

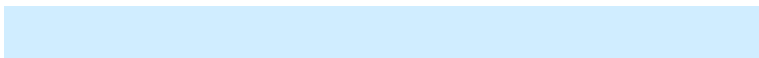
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3217, 87.2444, 38.8039



59.8069, 87.2444, 115.7806



89.8948, 87.2444, 189.1296



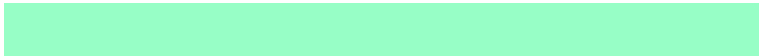
111.3391, 87.2444, 76.8578

Rectangle

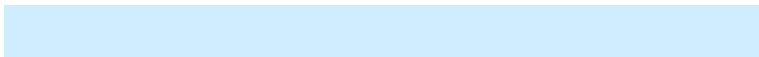
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3217, 87.2444, 38.8039



61.1402, 87.2444, 66.1543



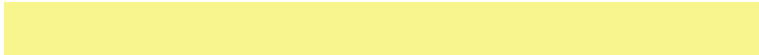
89.8948, 87.2444, 189.1296



109.3483, 87.2444, 131.1923

Sweetspot

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



76.3238, 87.2484, 38.8057



89.8640, 97.4444, 83.0742



53.7618, 41.6932, 32.6137



19.0650, 20.7718, 16.9421



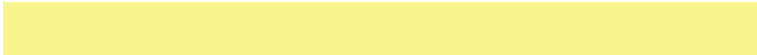
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

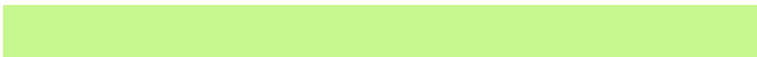
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3238, 87.2484, 38.8057



79.5271, 91.9166, 32.9354



62.0790, 81.2602, 38.4007



18.6825, 20.1008, 18.3576



37.9116, 44.7798, 6.6452



3.5243, 4.1734, 0.6198

Inverse Universe

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



38.5498, 33.1738, 93.1782



34.3054, 27.1867, 98.0472



48.5048, 37.6298, 93.5136



16.3227, 16.7222, 21.7527



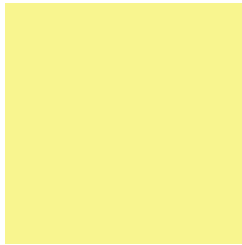
9.2112, 3.7779, 48.2173



0.8666, 0.3770, 4.4703

Previews

White Background



This preview shows how the XYZ color 76.3217, 87.2444, 38.8039 looks on a white background.

Color Contrast Check

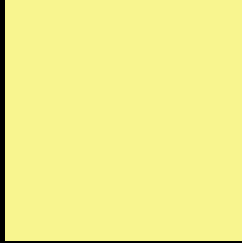
Large Text (above 18pt) WCAG AA × Fail

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 76.3217, 87.2444, 38.8039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

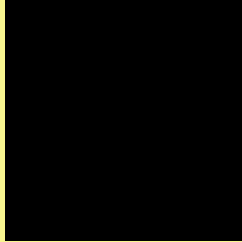
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.3217, 87.2444, 38.8039

Background



This preview shows how black text looks on a background with the XYZ color 76.3217, 87.2444, 38.8039.

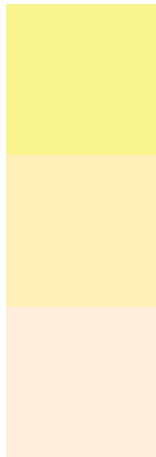


This preview shows how white text looks on a background with the XYZ color 76.3217, 87.2444,

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

76.3217, 87.2444, 38.8039

Protanopia

81.0518, 87.0409, 57.8761

Deuteranopia

84.3104, 86.9428, 79.3558



Tritanopia

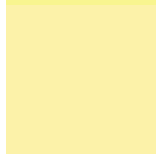
87.6061, 86.8829, 100.9597

Trichromacy



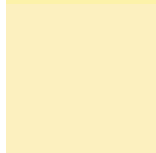
Original Color

76.3217, 87.2444, 38.8039



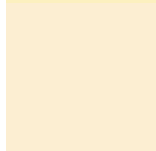
Protanomaly

79.0584, 87.0643, 50.1744



Deuteranomaly

80.7089, 86.7772, 61.7861



Tritanomaly

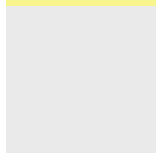
82.3523, 86.4977, 73.3281

Monochromacy



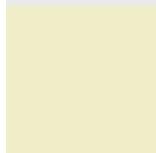
Original Color

76.3217, 87.2444, 38.8039



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.7138, 83.7168, 67.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3217, 87.2444, 38.8039 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(248, 245, 143)` looks like.

```
.text, #text, p{  
    color:rgb(248, 245, 143)  
}
```

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(248, 245, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 245, 143) }
```

Border

The CSS property to change the border of an element to XYZ 76.3217, 87.2444, 38.8039 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(248, 245, 143) }
```


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

```
.border{ border-color:rgb(248, 245, 143) }
```

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

Here you see how a box with a 4 pixel rgb(248, 245, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 245, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 245, 143);  
box-shadow:4px 4px 4px 4px rgb(248, 245,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3217, 87.2444, 38.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 245, 143) }
```

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

```
.background{ background-color: rgb(248,  
245, 143) }
```

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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