

Converting Colors

XYZ(78.6382, 89.9271, 33.2917)

Have a look what the booklet for
XYZ(78.6382, 89.9271, 33.2917)
contains.

XYZ(78.6382, 89.9271, 33.2917)	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(78.6382, 89.9271,
33.2917)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF87F
RGB	255, 248, 127
RGB Percent	100%, 97%, 50%
CMY	0.0000, 0.0274, 0.5019
CMYK	0.00, 0.03, 0.50, 0.00
HSL	57°, 100%, 75%
HSV	57°, 50%, 100%
XYZ	78.6382, 89.9271, 33.2917
YIQ	236.2990, 43.0130, -36.1470

Conversions

Conversions Part 2

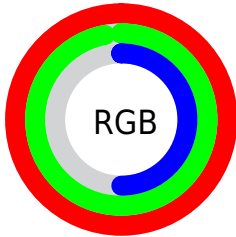
Format	Color
R _Y B	134, 255, 127
Decimal	16775295
CIE Lab	95.97, -13.22, 58.31
CIE LCh	96, 59.789, 102.777
Yxy	89.9271, 0.3896, 0.4455
Android (android.graphics.Color)	4294965375 (0xFFFFF87F)
YUV	236.2990, -53.8844, 16.4008
Hunter-Lab	94.8299, -17.9302, 45.5661

Details

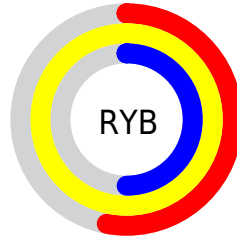
The XYZ color **78.6382, 89.9271, 33.2917** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.3275, 28.7815, 98.3010**, and the grayscale version is **80.3370, 84.5208, 92.0432**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **42.8172, 49.9161, 13.6814** is the 20% darker color. If you saturate the color by 10%, you get **76.7563, 88.4948, 25.4774**, and if you desaturate by 10%, it is **80.9482, 91.5423, 43.3254**.

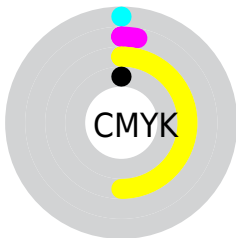
Distribution



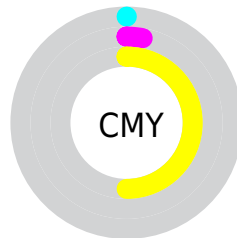
- Red (100%)
- Green (97%)
- Blue (50%)



- Red (53%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6382, 89.9271, 33.2917 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 78.6382, 89.9271, 33.2917 by changing the saturation by 10% instead.


 78.6382, 89.9271,
33.2917


 78.6382, 89.9271,
33.2917


479.1383,
527.7937, 331.6343


 58.9030, 67.9202,
22.0771


 130.4100,
147.2371, 65.9519

 42.7811, 49.8328,
13.7147


 163.1773,
183.3090, 88.2346

 29.9072, 35.2806,
7.7860


 201.0194,
224.8380, 115.0437

 19.9159, 23.8791,
3.8725

244.3015,
272.2086, 146.7977

 12.4418, 15.2439,
1.5557

293.3891,
325.8050, 183.9153

 7.1197, 8.9908,
0.2589

348.6476,

 3.5840, 4.7352,

386.0117, 226.8149

0.0000

410.4421,
453.2132, 275.9150

■ 1.4696, 2.0927,
0.0000

■ 0.3050, 0.6605,
0.0000

■ 78.6382, 89.9271,
33.2917

■ 78.6382, 89.9271,
33.2917

■ 76.7563, 88.4948,
25.4774

■ 80.9482, 91.5423,
43.3254

■ 75.2636, 87.2200,
19.7065


■ 83.7087, 93.3396,
55.7257

■ 74.1252, 86.0920,
15.7855

■ 86.9484, 95.3336,
70.6335

■ 73.2968, 85.0930,
13.4813

■ 90.6917, 97.5343,
88.1773

 72.7153, 84.2107,
12.4218

94.9613, 99.9505,
108.4765

95.0499, 100.0000,
108.9000

Harmonies

Analogous

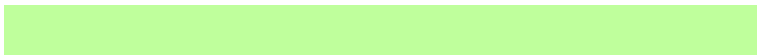
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2279, 89.9271, 34.1894



78.6382, 89.9271, 33.2917



65.6631, 89.9271, 45.1684

Triad

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



78.6382, 89.9271, 33.2917



64.2124, 89.9271, 173.6099



119.5471, 89.9271, 127.3980

Complementary

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



78.6382, 89.9271, 33.2917



35.3275, 28.7815, 98.3010

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.



108.9133, 89.9271, 181.0229



78.6382, 89.9271, 33.2917



76.4082, 89.9271, 213.0543

Square

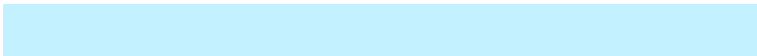
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6382, 89.9271, 33.2917



58.0853, 89.9271, 119.4456



92.6928, 89.9271, 216.1360



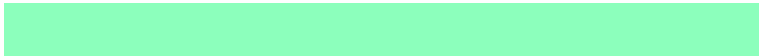
120.3465, 89.9271, 79.1414

Rectangle

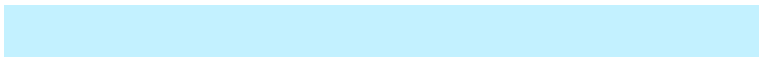
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6382, 89.9271, 33.2917



60.2227, 89.9271, 61.9157



92.6928, 89.9271, 216.1360



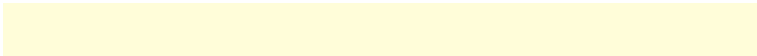
116.9470, 89.9271, 145.7075

Sweetspot

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



78.6404, 89.9313, 33.2936



88.8288, 96.4506, 79.4103



53.2408, 38.2040, 27.6883



18.8462, 20.5459, 16.2161



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

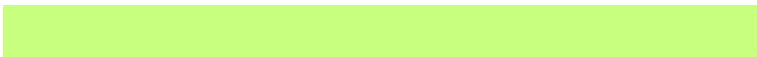
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6404, 89.9313, 33.2936



76.7893, 88.5214, 25.6095



63.2862, 85.2676, 33.2026



19.4712, 20.9106, 19.1542



38.0322, 44.0757, 6.5029



3.7280, 4.3414, 0.6415

Inverse Universe

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



35.3275, 28.7815, 98.3010



29.1443, 21.2743, 97.1780



45.0420, 32.4019, 98.4877



17.0826, 17.5369, 22.7346



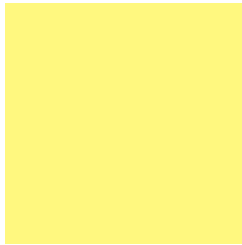
9.5450, 3.9995, 49.7035



0.9561, 0.4429, 4.8484

Previews

White Background



This preview shows how the XYZ color 78.6382, 89.9271, 33.2917 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 78.6382, 89.9271, 33.2917 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 78.6382, 89.9271, 33.2917

Background



This preview shows how black text looks on a background with the XYZ color 78.6382, 89.9271, 33.2917.

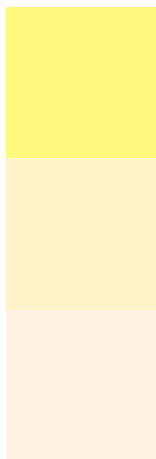


This preview shows how white text looks on a background with the XYZ color 78.6382, 89.9271,

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

78.6382, 89.9271, 33.2917

Protanopia

83.8332, 89.5782, 68.1302

Deuteranopia

86.5604, 89.7166, 85.4279



Tritanopia

89.0498, 89.7703, 101.4409

Trichromacy



Original Color

78.6382, 89.9271, 33.2917



Protanomaly

81.5324, 89.6208, 53.0457



Deuteranomaly

82.9947, 89.7230, 62.2342



Tritanomaly

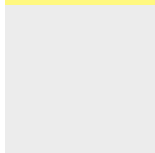
83.8912, 89.1239, 69.9078

Monochromacy



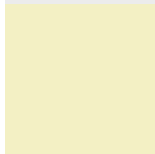
Original Color

78.6382, 89.9271, 33.2917



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.0860, 85.3604, 64.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6382, 89.9271, 33.2917 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 127) }
```

Border

The CSS property to change the border of an element to XYZ 78.6382, 89.9271, 33.2917 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, 127) }
```


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

```
.border{ border-color:rgb(255, 248, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6382, 89.9271, 33.2917 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, 127) }
```

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

```
.background{ background-color: rgb(255,  
248, 127) }
```

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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