

Converting Colors

XYZ(94.9299, 100.0000,
28.7155)

Have a look what the booklet for
XYZ(94.9299, 100.0000, 28.7155)
contains.

XYZ(78.4975, 91.3585, 27.9647)	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(78.4975, 91.3585,
27.9647)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB6D
RGB	255, 251, 109
RGB Percent	100%, 98%, 43%
CMY	0.0000, 0.0157, 0.5725
CMYK	0.00, 0.02, 0.57, 0.00
HSL	58°, 100%, 71%
HSV	58°, 57%, 100%
XYZ	78.4975, 91.3585, 27.9647
YIQ	236.0080, 47.9660, -43.3140

Conversions

Conversions Part 2

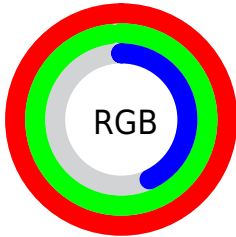
Format	Color
R_{YB}	113, 255, 109
Decimal	16776045
CIE Lab	96.56, -16.05, 66.93
CIE LCh	97, 68.832, 103.484
Yxy	91.3585, 0.3968, 0.4618
Android (android.graphics.Color)	4294966125 (0xFFFFFB6D)
YUV	236.0080, -62.6149, 16.6560
Hunter-Lab	95.5816, -20.6727, 49.5604

Details

The XYZ color **78.4975, 91.3585, 27.9647** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.2619, 22.2810, 97.3130**, and the grayscale version is **80.1758, 84.3511, 91.8584**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **42.6406, 50.8802, 10.8223** is the 20% darker color. If you saturate the color by 10%, you get **77.1025, 90.4559, 21.6821**, and if you desaturate by 10%, it is **80.2957, 92.4304, 36.3479**.

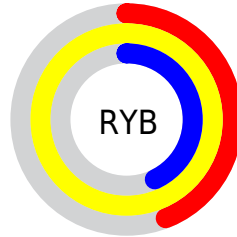
Distribution



Red (100%)

Green (98%)

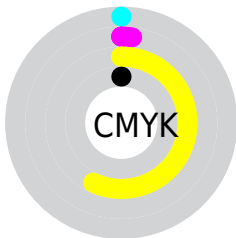
Blue (43%)



Red (44%)

Yellow (100%)

Blue (43%)

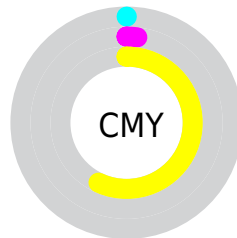


Cyan (0%)

Magenta (2%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4975, 91.3585, 27.9647 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 78.4975, 91.3585, 27.9647 by changing the saturation by 10% instead.


 78.4975, 91.3585,
27.9647

 78.4975, 91.3585,
27.9647


478.6688,
532.4402, 306.2048


 58.7869, 69.1079,
18.0602


 130.2129,
149.2240, 57.4505

 42.6873, 50.7996,
10.8234


 162.9484,
185.6077, 77.8689

 29.8333, 36.0492,
5.8355


 200.7563,
227.4712, 102.6291

 19.8596, 24.4722,
2.6781

244.0019,
275.1990, 132.1495

 12.4007, 15.6842,
0.9324

293.0506,
329.1753, 166.8488

 7.0913, 9.3010,
0.0000

348.2678,

 3.5661, 4.9380,

389.7847, 207.1454

0.0000

410.0187,
457.4115, 253.4579

■ 1.4597, 2.2109,
0.0000

■ 0.2982, 0.7260,
0.0000

■ 78.4975, 91.3585,
27.9647

■ 78.4975, 91.3585,
27.9647

■ 77.1025, 90.4559,
21.6821

■ 80.2957, 92.4304,
36.3479

■ 76.0688, 89.6958,
17.3073

■ 82.5220, 93.6714,
46.9906

■ 75.3567, 89.0656,
14.6224

■ 85.2066, 95.0970,
60.0431

■ 74.9124, 88.5438,
13.3435

■ 88.3754, 96.7176,
75.6411

■ 74.8151, 88.4106,
13.1218

■ 92.0521, 98.5427,
93.9103

95.0498, 99.9999,
108.9000

Harmonies

Analogous

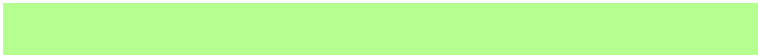
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.7695, 91.3585, 28.5913



78.4975, 91.3585, 27.9647



63.8025, 91.3585, 40.7440

Triad

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



78.4975, 91.3585, 27.9647



62.6834, 91.3585, 191.5380



127.3056, 91.3585, 132.6997

Complementary

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



78.4975, 91.3585, 27.9647



30.2619, 22.2810, 97.3130

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.



114.8307, 91.3585, 197.7317



78.4975, 91.3585, 27.9647



76.7451, 91.3585, 239.3737

Square

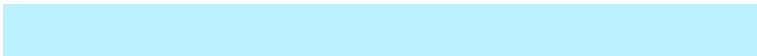
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4975, 91.3585, 27.9647



55.6241, 91.3585, 126.2527



95.7397, 91.3585, 241.9856



127.9597, 91.3585, 76.7777

Rectangle

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



78.4975, 91.3585, 27.9647



57.7833, 91.3585, 59.3071



95.7397, 91.3585, 241.9856



124.2806, 91.3585, 154.6060

Sweetspot

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



78.4997, 91.3627, 27.9666



88.4625, 96.7617, 76.0705



49.7388, 33.4100, 19.7083



18.7892, 20.6376, 15.5635



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

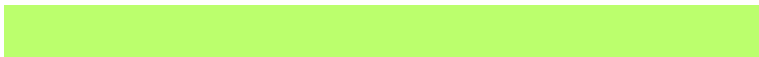
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4997, 91.3627, 27.9666



76.8972, 90.3135, 20.7860



58.9817, 83.1721, 27.4143



19.5161, 21.0004, 19.1692



39.1119, 46.2349, 6.8628



3.8211, 4.5276, 0.6725

Inverse Universe

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



30.2619, 22.2810, 97.3130



24.4382, 15.2036, 96.2543



41.6813, 27.5211, 97.7225



17.0428, 17.4573, 22.7213



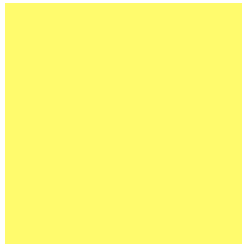
9.4883, 3.8861, 49.6846



0.9372, 0.4052, 4.8421

Previews

White Background



This preview shows how the XYZ color 78.4975, 91.3585, 27.9647 looks on a white background.

Color Contrast Check

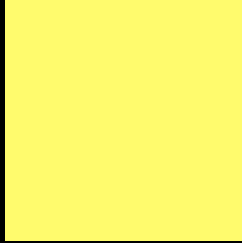
Large Text (above 18pt) WCAG AA × Fail

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 78.4975, 91.3585, 27.9647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

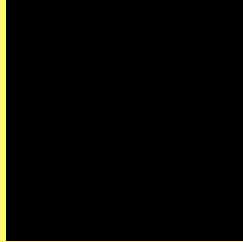
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4975, 91.3585, 27.9647

Background



This preview shows how black text looks on a background with the XYZ color 78.4975, 91.3585, 27.9647.



This preview shows how white text looks on a background with the XYZ color 78.4975, 91.3585,

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



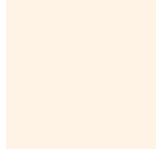
Original Color

78.4975, 91.3585, 27.9647



Protanopia

85.4010, 91.1683, 73.4177



Deuteranopia

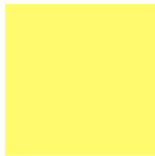
87.5735, 91.0744, 87.8264



Tritanopia

89.7942, 91.0101, 102.4566

Trichromacy



Original Color

78.4975, 91.3585, 27.9647



Protanomaly

82.0436, 90.7987, 52.7369



Deuteranomaly

83.0587, 90.7167, 59.5868



Tritanomaly

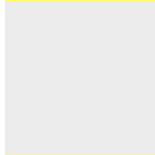
84.0855, 90.6420, 66.4900

Monochromacy



Original Color

78.4975, 91.3585, 27.9647



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.7117, 85.6830, 61.1578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4975, 91.3585, 27.9647 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, 251, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 109)  
}
```

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, 251, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 109) }
```

Border

The CSS property to change the border of an element to XYZ 78.4975, 91.3585, 27.9647 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, 251, 109) }
```


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

```
.border{ border-color:rgb(255, 251, 109) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4975, 91.3585, 27.9647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 109) }
```

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

```
.background{ background-color: rgb(255,  
251, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor