

Converting Colors

XYZ(80.8224, 100.0000,
29.9086)

Have a look what the booklet for
XYZ(80.8224, 100.0000, 29.9086)
contains.

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Color

**XYZ(76.9322, 92.4199,
28.5359)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FF6E
RGB	247, 255, 110
RGB Percent	97%, 100%, 43%
CMY	0.0314, 0.0000, 0.5686
CMYK	0.03, 0.00, 0.57, 0.00
HSL	63°, 100%, 72%
HSV	63°, 57%, 100%
XYZ	76.9322, 92.4199, 28.5359
YIQ	236.0780, 41.7770, -46.7910

Conversions

Conversions Part 2

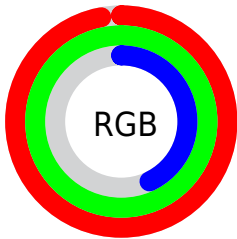
Format	Color
R _Y B	110, 255, 118
Decimal	16252782
CIE Lab	96.99, -21.06, 66.82
CIE LCh	97, 70.064, 107.493
Yxy	92.4199, 0.3888, 0.4670
Android (android.graphics.Color)	4294442862 (0xFF7FF6E)
YUV	236.0780, -62.1565, 9.5786
Hunter-Lab	96.1353, -25.3922, 49.6956

Details

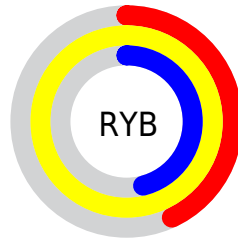
The XYZ color **76.9322, 92.4199, 28.5359** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.0982, 22.2246, 97.2585**, and the grayscale version is **80.2264, 84.4045, 91.9164**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **41.5757, 51.3366, 11.0858** is the 20% darker color. If you saturate the color by 10%, you get **75.2433, 91.6872, 22.2231**, and if you desaturate by 10%, it is **79.0245, 93.3143, 36.9547**.

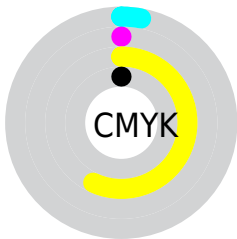
Distribution



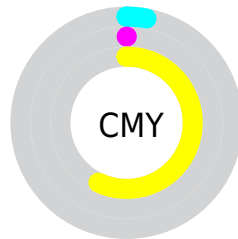
- Red (97%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (46%)



- Cyan (3%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9322, 92.4199, 28.5359 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 76.9322, 92.4199, 28.5359 by changing the saturation by 10% instead.

76.9322, 92.4199,
28.5359

76.9322, 92.4199,
28.5359

473.4283,
535.8717, 309.0110

57.4970, 69.9894,
18.4875

128.0171,
150.6952, 58.3723

41.6461, 51.5179,
11.1275

160.3975,
187.3089, 78.9973

29.0141, 36.6210,
6.0374

197.8237,
229.4191, 103.9849

19.2359, 24.9142,
2.7987

240.6609,
277.4102, 133.7537

11.9458, 16.0131,
0.9928

289.2747,
331.6666, 168.7221

6.7787, 9.5334,
0.0000

344.0303,

3.3692, 5.0907,

392.5727, 209.3088

0.0000

405.2930,
460.5129, 255.9322

■ 1.3519, 2.3006,
0.0000

■ 0.2215, 0.7740,
0.0000

■ 76.9322, 92.4199,
28.5359

■ 76.9322, 92.4199,
28.5359

■ 75.2433, 91.6872,
22.2231

■ 79.0245, 93.3143,
36.9547

■ 73.9221, 91.1021,
17.8266


■ 81.5509, 94.3829,
47.6397


■ 72.9273, 90.6479,
15.1293

■ 84.5398, 95.6369,
60.7399

■ 72.2064, 90.3037,
13.8545

■ 88.0167, 97.0865,
76.3907

 72.0116, 90.2084,
13.6165

 92.0056, 98.7413,
94.7173

95.0500, 100.0000,
108.9000

Harmonies

Analogous

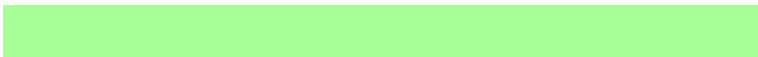
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3104, 92.4199, 27.4935



76.9322, 92.4199, 28.5359



62.7537, 92.4199, 43.6520

Triad

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



76.9322, 92.4199, 28.5359



64.6361, 92.4199, 203.7669



130.2950, 92.4199, 126.0202

Complementary

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



76.9322, 92.4199, 28.5359



31.0982, 22.2246, 97.2585

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.



118.8589, 92.4199, 193.2612



76.9322, 92.4199, 28.5359



79.8858, 92.4199, 248.2000

Square

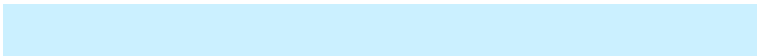
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9322, 92.4199, 28.5359



56.4190, 92.4199, 136.9219



99.7381, 92.4199, 243.7633



129.1878, 92.4199, 71.3939

Rectangle

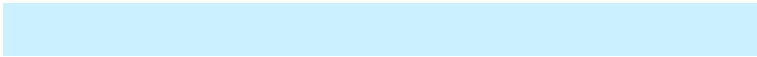
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9322, 92.4199, 28.5359



57.2675, 92.4199, 64.5277



99.7381, 92.4199, 243.7633



127.7266, 92.4199, 148.1748

Sweetspot

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



76.9323, 92.4199, 28.5371



87.9650, 97.0650, 76.1553



50.4456, 35.1677, 18.8823



18.6703, 20.7102, 15.5838



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.



76.9323, 92.4199, 28.5371



75.0750, 91.6134, 21.6294



56.3106, 81.7891, 27.5720



19.4564, 21.0367, 19.1794



37.6705, 47.1579, 7.1169



3.6969, 4.6066, 0.6943

Inverse Universe

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



31.0982, 22.2246, 97.2585



25.3682, 15.4271, 96.2484



44.7997, 29.2880, 97.8997



17.0957, 17.4256, 22.7124



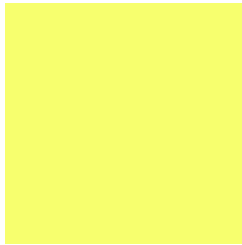
9.5637, 3.8407, 49.6719



0.9623, 0.3900, 4.8378

Previews

White Background



This preview shows how the XYZ color 76.9322, 92.4199, 28.5359 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 76.9322, 92.4199, 28.5359 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 76.9322, 92.4199, 28.5359

Background



This preview shows how black text looks on a background with the XYZ color 76.9322, 92.4199, 28.5359.



This preview shows how white text looks on a background with the XYZ color 76.9322, 92.4199,

Color Blindness Simulation

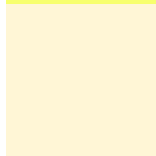
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



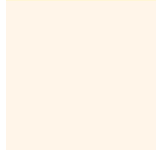
Original Color

76.9322, 92.4199, 28.5359



Protanopia

86.3334, 92.0266, 76.8310



Deuteranopia

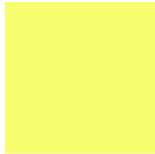
88.6004, 92.4480, 90.2653



Tritanopia

91.0202, 92.4530, 105.9764

Trichromacy



Original Color

76.9322, 92.4199, 28.5359



Protanomaly

81.8570, 91.5814, 54.4369



Deuteranomaly

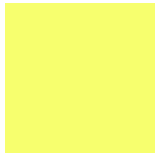
83.0977, 92.0777, 60.9700



Tritanomaly

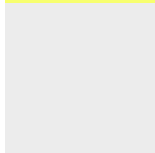
83.9483, 91.4340, 68.4823

Monochromacy



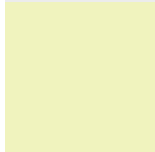
Original Color

76.9322, 92.4199, 28.5359



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2800, 86.3442, 61.3082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9322, 92.4199, 28.5359 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(247, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 110)  
}
```

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(247, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 110) }
```

Border

The CSS property to change the border of an element to XYZ 76.9322, 92.4199, 28.5359 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(247, 255, 110) }
```


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

```
.border{ border-color:rgb(247, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9322, 92.4199, 28.5359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 110) }
```

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

```
.background{ background-color: rgb(247,  
255, 110) }
```

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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