

Converting Colors

XYZ(119.0530, 100.0000,
30.2220)

Have a look what the booklet for
XYZ(119.0530, 100.0000, 30.2220)
contains.

XYZ(70.8977, 75.3434, 27.9456)	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(70.8977, 75.3434,
27.9456)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDF76
RGB	255, 223, 118
RGB Percent	100%, 87%, 46%
CMY	0.0000, 0.1255, 0.5372
CMYK	0.00, 0.13, 0.54, 0.00
HSL	46°, 100%, 73%
HSV	46°, 54%, 100%
XYZ	70.8977, 75.3434, 27.9456
YIQ	220.5980, 52.7770, -25.8710

Conversions

Conversions Part 2

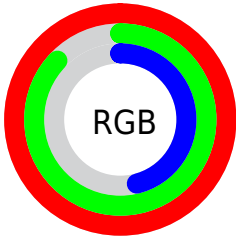
Format	Color
RYB	160, 255, 118
Decimal	16768886
CIELab	89.55, -1.52, 54.89
CIElCh	90, 54.909, 91.583
Yxy	75.3434, 0.4070, 0.4325
Android (android.graphics.Color)	4294958966 (0xFFFFDF76)
YUV	220.5980, -50.5808, 30.1706
Hunter-Lab	86.8006, -6.1043, 41.6719

Details

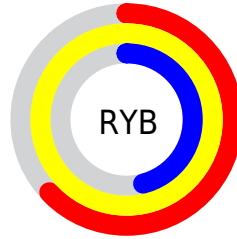
The XYZ color **70.8977, 75.3434, 27.9456** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.4272, 32.8831, 99.0345**, and the grayscale version is **68.7644, 72.3455, 78.7843**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **37.7217, 40.1227, 10.7573** is the 20% darker color. If you saturate the color by 10%, you get **68.0199, 71.6939, 20.4942**, and if you desaturate by 10%, it is **74.2447, 79.2758, 37.5755**.

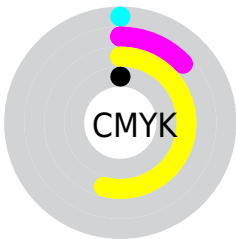
Distribution



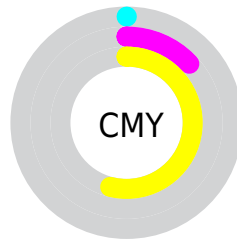
- Red (100%)
- Green (87%)
- Blue (46%)



- Red (63%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (13%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8977, 75.3434, 27.9456 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 70.8977, 75.3434, 27.9456 by changing the saturation by 10% instead.

70.8977, 75.3434,
27.9456

70.8977, 75.3434,
27.9456

452.9131,
479.0970, 306.1106

52.5410, 55.8943,
18.0460

119.5074,
126.7983, 57.4196

37.6624, 40.1182,
10.8132

150.4910,
159.5729, 77.8311

25.8968, 27.6307,
5.8288

186.4143,
197.5581, 102.5836

16.8787, 18.0474,
2.6742

227.6426,
241.1383, 132.0957

10.2428, 10.9841,
0.9304

274.5413,
290.6979, 166.7859

5.6238, 6.0561,
0.0000

327.4757,

2.6562, 2.8792,

346.6213, 207.0728

0.0000

386.8112,
409.2929, 253.3748

■ 0.9747, 1.0690,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.8977, 75.3434,
27.9456

■ 70.8977, 75.3434,
27.9456

■ 68.0199, 71.6939,
20.4942

■ 74.2447, 79.2758,
37.5755

■ 65.5713, 68.3018,
15.0383

■ 78.0860, 83.4936,
49.5379

■ 63.5142, 65.1541,
11.3726

■ 82.4514, 88.0123,
63.9780

■ 61.7998, 62.2302,
9.2448

■ 87.3663, 92.8430,
81.0279

60.8558, 60.4919,
8.4687

92.8545, 97.9961,
100.8104

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.



84.6724, 75.3434, 32.5254



70.8977, 75.3434, 27.9456



58.8726, 75.3434, 33.6452

Triad

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



70.8977, 75.3434, 27.9456



51.7173, 75.3434, 127.3954



96.9215, 75.3434, 122.6895

Complementary

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



70.8977, 75.3434, 27.9456



36.4272, 32.8831, 99.0345

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.



86.0674, 75.3434, 162.9445



70.8977, 75.3434, 27.9456



59.9681, 75.3434, 166.2076

Square

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



70.8977, 75.3434, 27.9456



48.6948, 75.3434, 84.1048



72.3304, 75.3434, 180.9007



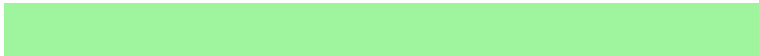
100.7820, 75.3434, 80.0017

Rectangle

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



70.8977, 75.3434, 27.9456



53.1573, 75.3434, 44.0054



72.3304, 75.3434, 180.9007



93.9078, 75.3434, 137.3678

Sweetspot

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



70.8995, 75.3470, 27.9471



86.1986, 91.7160, 76.9121



53.4068, 36.4928, 34.0431



18.2293, 19.4158, 15.6913



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.



70.8995, 75.3470, 27.9471



67.9470, 71.5972, 20.3179



68.7729, 88.1607, 30.5325



19.1805, 20.3292, 19.0573



31.9185, 31.8482, 4.4650



3.1907, 3.2668, 0.4624

Inverse Universe

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



36.4272, 32.8831, 99.0345



30.4146, 25.4269, 97.9126



37.5249, 26.8773, 97.8174



17.3472, 18.0661, 22.8228



10.3571, 5.6237, 49.9742



1.0876, 0.7058, 4.8922

Previews

White Background



This preview shows how the XYZ color 70.8977, 75.3434, 27.9456 looks on a white background.

Color Contrast Check

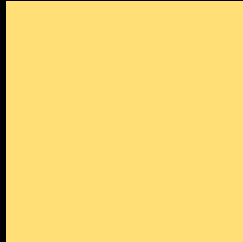
Large Text (above 18pt) WCAG AA × Fail

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 70.8977, 75.3434, 27.9456 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 70.8977, 75.3434, 27.9456

Background



This preview shows how black text looks on a background with the XYZ color 70.8977, 75.3434, 27.9456.



This preview shows how white text looks on a background with the XYZ color 70.8977, 75.3434,

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

70.8977, 75.3434, 27.9456

Protanopia

68.9664, 75.1388, 28.3211

Deuteranopia

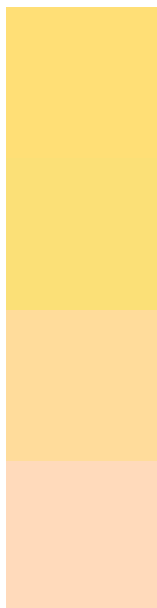
74.4080, 75.0576, 51.6401



Tritanopia

79.4056, 75.4069, 83.0429

Trichromacy



Original Color

70.8977, 75.3434, 27.9456

Protanomaly

69.7691, 75.1524, 28.2814

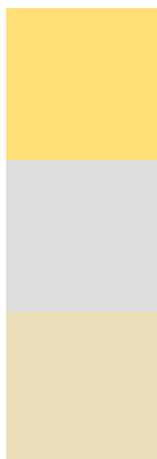
Deuteranomaly

72.7496, 74.8130, 41.6164

Tritanomaly

75.2810, 74.9907, 57.5206

Monochromacy



Original Color

70.8977, 75.3434, 27.9456

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.3773, 73.0269, 55.8391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8977, 75.3434, 27.9456 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, 223, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 118)  
}
```

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, 223, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 118) }
```

Border

The CSS property to change the border of an element to XYZ 70.8977, 75.3434, 27.9456 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, 223, 118) }
```


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

```
.border{ border-color:rgb(255, 223, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8977, 75.3434, 27.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 118) }
```

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

```
.background{ background-color: rgb(255,  
223, 118) }
```

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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