

Converting Colors

XYZ(70.9476, 77.1858, 22.9528)

Have a look what the booklet for
XYZ(70.9476, 77.1858, 22.9528)
contains.

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Color

**XYZ(70.9612, 77.0990,
22.9459)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE363
RGB	255, 227, 99
RGB Percent	100%, 89%, 39%
CMY	0.0000, 0.1098, 0.6118
CMYK	0.00, 0.11, 0.61, 0.00
HSL	49°, 100%, 69%
HSV	49°, 61%, 100%
XYZ	70.9612, 77.0990, 22.9459
YIQ	220.7800, 57.7760, -33.8720

Conversions

Conversions Part 2

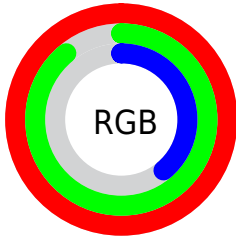
Format	Color
R_{YB}	133, 255, 99
Decimal	16769891
CIE _{Lab}	90.37, -4.89, 64.37
CIE _{LCh}	90, 64.559, 94.343
Yxy	77.0990, 0.4150, 0.4509
Android (android.graphics.Color)	4294959971 (0xFFFFE363)
YUV	220.7800, -60.0375, 30.0109
Hunter-Lab	87.8060, -9.4043, 45.9703

Details

The XYZ color **70.9612, 77.0990, 22.9459** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.7848, 25.0506, 97.8199**, and the grayscale version is **68.9541, 72.5451, 79.0016**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **37.6942, 41.2816, 8.2669** is the 20% darker color. If you saturate the color by 10%, you get **68.6950, 74.2194, 17.0964**, and if you desaturate by 10%, it is **73.6490, 80.2064, 30.8359**.

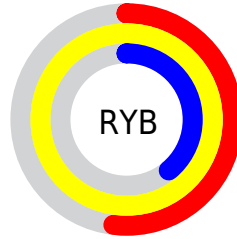
Distribution



Red (100%)

Green (89%)

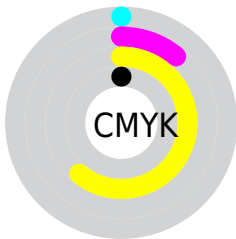
Blue (39%)



Red (52%)

Yellow (100%)

Blue (39%)

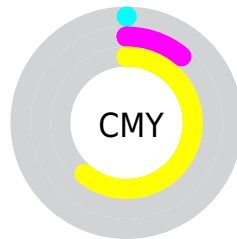


Cyan (0%)

Magenta (11%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9612, 77.0990, 22.9459 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 70.9612, 77.0990, 22.9459 by changing the saturation by 10% instead.


 70.9612, 77.0990,
22.9459

 70.9612, 77.0990,
22.9459


453.1317,
485.1015, 280.5599

 52.5930, 57.3341,
14.3486


 119.5973,
129.2792, 49.2265


 37.7041, 41.2736,
8.2220


 150.5958,
162.4634, 67.7470

 25.9293, 28.5329,
4.1475


 186.5352,
200.8894, 90.4123

 16.9031, 18.7278,
1.7066

 227.7808,
244.9417, 117.6410

 10.2603, 11.4737,
0.3653

274.6978,
295.0046, 149.8515

 5.6355, 6.3864,
0.0000

327.6518,

 2.6633, 3.0814,

351.4627, 187.4625

0.0000

387.0080,
414.7002, 230.8924

■ 0.9783, 1.1744,
0.0000

■ 0.0000, 0.0406,
0.0000

■ 70.9612, 77.0990,
22.9459

■ 70.9612, 77.0990,
22.9459

■ 68.6950, 74.2194,
17.0964

■ 73.6490, 80.2064,
30.8359

■ 66.8072, 71.5410,
13.0844


■ 76.7862, 83.5442,
40.9342


■ 65.2540, 69.0489,
10.6733

■ 80.4039, 87.1282,
53.3969

■ 64.0994, 66.9792,
9.5499

■ 84.5291, 90.9697,
68.3642

 89.1866, 95.0789,
85.9656

 94.3995, 99.4654,
106.3216

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.



87.5178, 77.0990, 26.7093



70.9612, 77.0990, 22.9459



57.1672, 77.0990, 29.9617

Triad

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



70.9612, 77.0990, 22.9459



50.5770, 77.0990, 144.5523



104.8758, 77.0990, 128.4834

Complementary

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



70.9612, 77.0990, 22.9459



30.7848, 25.0506, 97.8199

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.



92.1679, 77.0990, 180.4878



70.9612, 77.0990, 22.9459



60.6772, 77.0990, 191.9030

Square

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



70.9612, 77.0990, 22.9459



46.5441, 77.0990, 90.8412



75.6494, 77.0990, 207.0108



108.6844, 77.0990, 77.4120

Rectangle

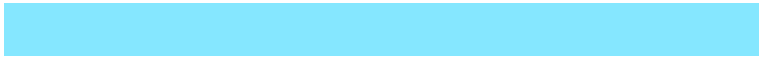
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9612, 77.0990, 22.9459



50.8959, 77.0990, 42.1467



75.6494, 77.0990, 207.0108



101.4202, 77.0990, 146.9597

Sweetspot

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



70.9630, 77.1027, 22.9475



85.9495, 92.2454, 73.6616



49.5722, 31.7323, 23.7975



18.1177, 19.4939, 14.7253



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.



70.9630, 77.1027, 22.9475



68.3237, 73.7162, 16.2334



63.3550, 85.4853, 24.9665



19.2677, 20.5036, 19.0864



33.5941, 35.1994, 5.0236



3.3400, 3.5654, 0.5122

Inverse Universe

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



30.7848, 25.0506, 97.8199



25.2700, 18.0324, 96.7565



34.7977, 22.4778, 97.1118



17.2665, 17.9047, 22.7959



10.0127, 4.9350, 49.8594



1.0431, 0.6169, 4.8774

Previews

White Background



This preview shows how the XYZ color 70.9612, 77.0990, 22.9459 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 70.9612, 77.0990, 22.9459 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 70.9612, 77.0990, 22.9459

Background



This preview shows how black text looks on a background with the XYZ color 70.9612, 77.0990, 22.9459.



This preview shows how white text looks on a background with the XYZ color 70.9612, 77.0990,

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

70.9612, 77.0990, 22.9459

Protanopia

70.5035, 77.2703, 23.0031

Deuteranopia

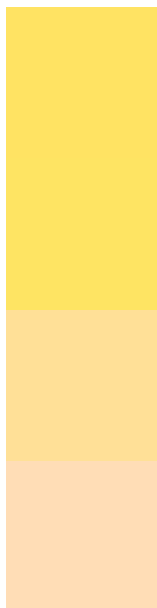
75.7018, 76.8387, 54.5575



Tritanopia

80.4543, 77.0600, 84.7624

Trichromacy



Original Color

70.9612, 77.0990, 22.9459

Protanomaly

70.8686, 77.4585, 23.0202

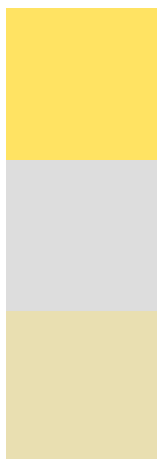
Deuteranomaly

73.4816, 76.8057, 40.2302

Tritanomaly

75.5399, 76.3503, 55.0117

Monochromacy



Original Color

70.9612, 77.0990, 22.9459

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.9278, 73.2733, 52.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9612, 77.0990, 22.9459 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, 227, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 99)  
}
```

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, 227, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 99) }
```

Border

The CSS property to change the border of an element to XYZ 70.9612, 77.0990, 22.9459 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, 227, 99) }
```


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

```
.border{ border-color:rgb(255, 227, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9612, 77.0990, 22.9459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 99) }
```

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

```
.background{ background-color: rgb(255,  
227, 99) }
```

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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