

Converting Colors

XYZ(68.9985, 74.3998, 22.5072)

Have a look what the booklet for
XYZ(68.9985, 74.3998, 22.5072)
contains.

XYZ(69.1478, 74.5589, 22.5512)	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(69.1478, 74.5589,
22.5512)**

Conversions

Conversions Part 1

Format	Color
Hex	FDDF63
RGB	253, 223, 99
RGB Percent	99%, 87%, 39%
CMY	0.0078, 0.1255, 0.6118
CMYK	0.00, 0.12, 0.61, 0.01
HSL	48°, 97%, 69%
HSV	48°, 61%, 99%
XYZ	69.1478, 74.5589, 22.5512
YIQ	217.8340, 57.6840, -32.2040

Conversions

Conversions Part 2

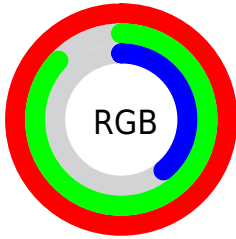
Format	Color
RYB	136, 253, 99
Decimal	16637795
CIELab	89.19, -3.69, 63.02
CIELCh	89, 63.132, 93.355
Yxy	74.5589, 0.4159, 0.4485
Android (android.graphics.Color)	4294827875 (0xFFFDDDF63)
YUV	217.8340, -58.5852, 30.8406
Hunter-Lab	86.3475, -8.1638, 44.9586

Details

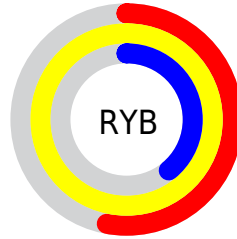
The XYZ color **69.1478, 74.5589, 22.5512** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.7252, 25.4441, 96.2197**, and the grayscale version is **66.8911, 70.3746, 76.6379**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **36.4310, 39.5171, 7.9930** is the 20% darker color. If you saturate the color by 10%, you get **66.8258, 71.5569, 16.7161**, and if you desaturate by 10%, it is **71.8904, 77.7961, 30.3967**.

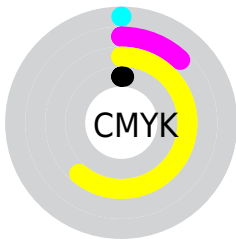
Distribution



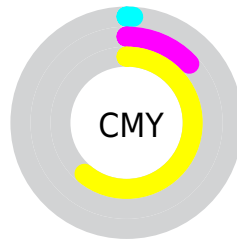
- Red (99%)
- Green (87%)
- Blue (39%)



- Red (53%)
- Yellow (99%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (61%)
- Black (1%)





- Cyan (1%)
- Magenta (13%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.1478, 74.5589, 22.5512 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 69.1478, 74.5589, 22.5512 by changing the saturation by 10% instead.


 69.1478, 74.5589,
22.5512

 69.1478, 74.5589,
22.5512


446.8653,
476.4001, 278.4582


 51.1092, 55.2516,
14.0603


 117.0256,
125.6878, 48.5692

 36.5169, 39.6032,
8.0234


 147.5954,
158.2781, 66.9333

 25.0056, 27.2293,
4.0219


 183.0730,
196.0650, 89.4256

 16.2100, 17.7455,
1.6374

 223.8238,
239.4327, 116.4645

 9.7647, 10.7674,
0.3173

270.2130,
288.7656, 148.4688

 5.3043, 5.9107,
0.0000

322.6061,

 2.4635, 2.7908,

344.4483, 185.8568

0.0000

381.3684,
406.8650, 229.0471

■ 0.8769, 1.0235,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.1478, 74.5589,
22.5512

■ 69.1478, 74.5589,
22.5512

■ 66.8258, 71.5569,
16.7161

■ 71.8904, 77.7961,
30.3967

■ 64.8821, 68.7642,
12.6934

■ 75.0807, 81.2713,
40.4168

■ 63.2741, 66.1661,
10.2525

■ 78.7493, 85.0002,
52.7639

■ 62.0352, 63.9375,
9.0716

■ 82.9227, 88.9939,
67.5753

87.6252, 93.2624,
84.9777

92.8795, 97.8155,
105.0892

94.3177, 99.6225,
108.8657

Harmonies

Analogous

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



84.9883, 74.5589, 26.5367



69.1478, 74.5589, 22.5512



55.8039, 74.5589, 28.9612

Triad

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



69.1478, 74.5589, 22.5512



48.9034, 74.5589, 137.2876



100.7550, 74.5589, 125.4482

Complementary

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



69.1478, 74.5589, 22.5512



30.7252, 25.4441, 96.2197

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.



88.4203, 74.5589, 174.5856



69.1478, 74.5589, 22.5512



58.4017, 74.5589, 182.9824

Square

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



69.1478, 74.5589, 22.5512



45.2312, 74.5589, 86.2448



72.6124, 74.5589, 198.6374



104.7168, 74.5589, 76.3212

Rectangle

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



69.1478, 74.5589, 22.5512



49.6688, 74.5589, 40.3651



72.6124, 74.5589, 198.6374



97.3704, 74.5589, 143.0266

Sweetspot

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



69.1495, 74.5624, 22.5527



85.7352, 91.8167, 73.5902



48.9860, 31.4133, 24.5313



18.0648, 19.3881, 14.7077



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.



69.1495, 74.5624, 22.5527



67.5746, 72.2180, 15.9837



63.0538, 84.3877, 24.7705



19.2429, 20.4541, 19.0781



33.1047, 34.2206, 4.8604



3.2966, 3.4786, 0.4977

Inverse Universe

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



30.7252, 25.4441, 96.2197



25.5559, 18.6042, 96.8518



33.9044, 22.0543, 95.3978



17.2893, 17.9503, 22.8035



10.1008, 5.1112, 49.8888



1.0549, 0.6405, 4.8813

Previews

White Background



This preview shows how the XYZ color 69.1478, 74.5589, 22.5512 looks on a white background.

Color Contrast Check

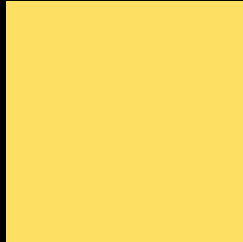
Large Text (above 18pt) WCAG AA × Fail

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 69.1478, 74.5589, 22.5512 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 69.1478, 74.5589, 22.5512

Background



This preview shows how black text looks on a background with the XYZ color 69.1478, 74.5589, 22.5512.

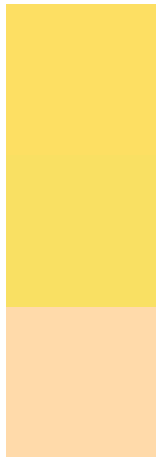


This preview shows how white text looks on a background with the XYZ color 69.1478, 74.5589,

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

69.1478, 74.5589, 22.5512

Protanopia

67.9747, 74.3519, 22.5731

Deuteranopia

73.5671, 74.3051, 48.4951



Tritanopia

78.6249, 74.2847, 81.4286

Trichromacy



Original Color

69.1478, 74.5589, 22.5512

Protanomaly

68.3321, 74.5362, 22.5898

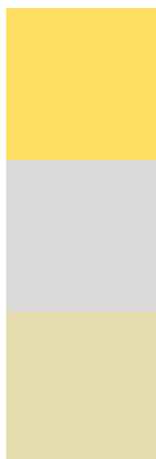
Deuteranomaly

71.5003, 74.2708, 36.9528

Tritanomaly

73.8226, 73.9512, 53.0310

Monochromacy



Original Color

69.1478, 74.5589, 22.5512

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.2861, 71.2705, 50.8204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1478, 74.5589, 22.5512 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(253, 223, 99)` looks like.

```
.text, #text, p{  
    color:rgb(253, 223, 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(253, 223, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 223, 99) }
```

Border

The CSS property to change the border of an element to XYZ 69.1478, 74.5589, 22.5512 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(253, 223, 99) }
```


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

```
.border{ border-color:rgb(253, 223, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 223, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 223, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 223, 99);  
box-shadow:4px 4px 4px 4px rgb(253, 223,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1478, 74.5589, 22.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 223, 99) }
```

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

```
.background{ background-color: rgb(253,  
223, 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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