

Converting Colors

XYZ(70.3090, 75.5608, 23.4494)

Have a look what the booklet for
XYZ(70.3090, 75.5608, 23.4494)
contains.

XYZ(70.2939, 75.5306, 23.4444)	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(70.2939, 75.5306,
23.4444)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE066
RGB	255, 224, 102
RGB Percent	100%, 88%, 40%
CMY	0.0000, 0.1215, 0.6000
CMYK	0.00, 0.12, 0.60, 0.00
HSL	48°, 100%, 70%
HSV	48°, 60%, 100%
XYZ	70.2939, 75.5306, 23.4444
YIQ	219.3610, 57.6380, -31.3700

Conversions

Conversions Part 2

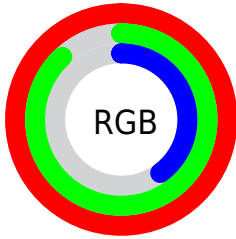
Format	Color
R _Y B	141, 255, 102
Decimal	16769126
CIE Lab	89.64, -3.18, 62.27
CIE LCh	90, 62.347, 92.928
Yxy	75.5306, 0.4153, 0.4462
Android (android.graphics.Color)	4294959206 (0xFFFFE066)
YUV	219.3610, -57.8590, 31.2554
Hunter-Lab	86.9083, -7.7138, 44.8418

Details

The XYZ color **70.2939, 75.5306, 23.4444** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.9168, 26.8190, 98.1016**, and the grayscale version is **67.9459, 71.4844, 77.8465**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **37.2067, 40.1833, 8.4845** is the 20% darker color. If you saturate the color by 10%, you get **67.8519, 72.3689, 17.3221**, and if you desaturate by 10%, it is **73.1704, 78.9394, 31.6315**.

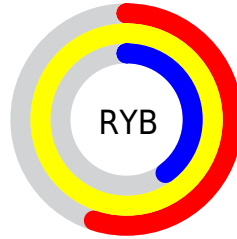
Distribution



Red (100%)

Green (88%)

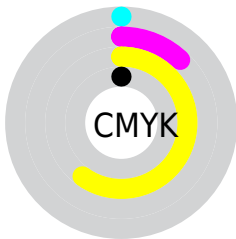
Blue (40%)



Red (55%)

Yellow (100%)

Blue (40%)

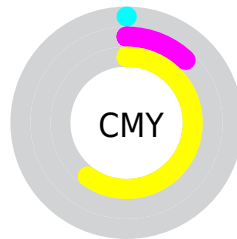


Cyan (0%)

Magenta (12%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2939, 75.5306, 23.4444 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 70.2939, 75.5306, 23.4444 by changing the saturation by 10% instead.


 70.2939, 75.5306,
23.4444

 70.2939, 75.5306,
23.4444


450.8316,
479.7393, 283.1949

 52.0466, 56.0477,
14.7136


 118.6518,
127.0632, 50.0544


 37.2667, 40.2412,
8.4743


 149.4931,
159.8816, 68.7707

 25.5886, 27.7266,
4.3078


 185.2631,
197.9140, 91.6526

 16.6472, 18.1197,
1.7957


 226.3272,
241.5448, 119.1187

 10.0770, 11.0359,
0.4251

273.0508,
291.1583, 151.5874

 5.5127, 6.0910,
0.0000

325.7991,

 2.5889, 2.9005,

347.1390, 189.4773

0.0000

384.9376,
409.8712, 233.2070

■ 0.9403, 1.0800,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2939, 75.5306,
23.4444

■ 70.2939, 75.5306,
23.4444

■ 67.8519, 72.3689,
17.3221

■ 73.1704, 78.9394,
31.6315

■ 65.8019, 69.4280,
13.0652

■ 76.5089, 82.5981,
42.0491

■ 64.1011, 66.6931,
10.4430

■ 80.3404, 86.5227,
54.8512

■ 62.6772, 64.1346,
9.0759

■ 84.6916, 90.7244,
70.1768

■ 62.6769, 64.1342,
9.0757

■ 89.5872, 95.2136,
88.1541

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.



86.0640, 75.5306, 27.6319



70.2939, 75.5306, 23.4444



56.9235, 75.5306, 29.7695

Triad

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



70.2939, 75.5306, 23.4444



49.7736, 75.5306, 137.2193



101.3789, 75.5306, 126.9749

Complementary

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



70.2939, 75.5306, 23.4444



31.9168, 26.8190, 98.1016

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.



89.0418, 75.5306, 175.4444



70.2939, 75.5306, 23.4444



59.1877, 75.5306, 182.6904

Square

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



70.2939, 75.5306, 23.4444



46.1828, 75.5306, 86.6294



73.3063, 75.5306, 198.7028



105.4506, 75.5306, 78.0014

Rectangle

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



70.2939, 75.5306, 23.4444



50.7380, 75.5306, 41.1122



73.3063, 75.5306, 198.7028



97.9820, 75.5306, 144.3785

Sweetspot

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



70.2957, 75.5342, 23.4459



85.6262, 91.5988, 73.5539



50.3754, 32.5169, 26.5994



18.0380, 19.3344, 14.6987



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.



70.2957, 75.5342, 23.4459



67.4118, 71.7633, 16.3275



65.2090, 86.4241, 25.8160



19.2303, 20.4288, 19.0739



32.8597, 33.7306, 4.7788



3.2748, 3.4350, 0.4904

Inverse Universe

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



31.9168, 26.8190, 98.1016



26.1032, 19.4252, 96.9814



34.5409, 22.7752, 97.1827



17.3010, 17.9736, 22.8073



10.1486, 5.2067, 49.9047



1.0611, 0.6530, 4.8834

Previews

White Background



This preview shows how the XYZ color 70.2939, 75.5306, 23.4444 looks on a white background.

Color Contrast Check

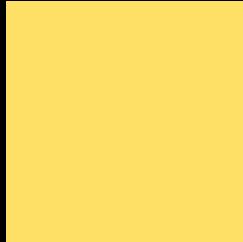
Large Text (above 18pt) WCAG AA × Fail

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 70.2939, 75.5306, 23.4444 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 70.2939, 75.5306, 23.4444

Background



This preview shows how black text looks on a background with the XYZ color 70.2939, 75.5306, 23.4444.



This preview shows how white text looks on a background with the XYZ color 70.2939, 75.5306,

23.4444.

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

70.2939, 75.5306, 23.4444

Protanopia

69.0689, 75.6960, 23.8024

Deuteranopia

74.5711, 75.5415, 51.2081



Tritanopia

79.4056, 75.4069, 83.0429

Trichromacy



Original Color

70.2939, 75.5306, 23.4444

Protanomaly

69.5183, 75.5251, 23.7458

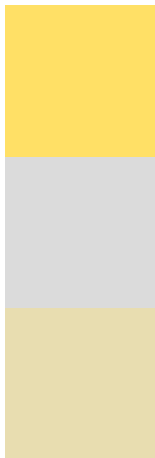
Deuteranomaly

72.4417, 75.1110, 38.6968

Tritanomaly

74.7549, 74.7802, 54.7500

Monochromacy



Original Color

70.2939, 75.5306, 23.4444

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.9716, 72.0033, 51.4425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2939, 75.5306, 23.4444 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, 224, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 102)  
}
```

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, 224, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 102) }
```

Border

The CSS property to change the border of an element to XYZ 70.2939, 75.5306, 23.4444 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, 224, 102) }
```


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

```
.border{ border-color:rgb(255, 224, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2939, 75.5306, 23.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 102) }
```

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

```
.background{ background-color: rgb(255,  
224, 102) }
```

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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