

Converting Colors

XYZ(115.8617, 100.0000,
27.7672)

Have a look what the booklet for
XYZ(115.8617, 100.0000, 27.7672)
contains.

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Color

**XYZ(71.4694, 77.3023,
25.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE36D
RGB	255, 227, 109
RGB Percent	100%, 89%, 43%
CMY	0.0000, 0.1098, 0.5725
CMYK	0.00, 0.11, 0.57, 0.00
HSL	48°, 100%, 71%
HSV	48°, 57%, 100%
XYZ	71.4694, 77.3023, 25.6220
YIQ	221.9200, 54.5660, -30.7620

Conversions

Conversions Part 2

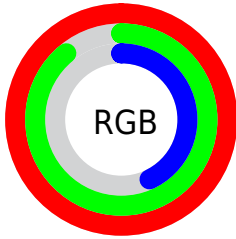
Format	Color
RYB	144, 255, 109
Decimal	16769901
CIELab	90.46, -4.21, 60.08
CIELCh	90, 60.225, 94.009
Yxy	77.3023, 0.4098, 0.4433
Android (android.graphics.Color)	4294959981 (0xFFFFE36D)
YUV	221.9200, -55.6696, 29.0112
Hunter-Lab	87.9217, -8.7648, 44.2670

Details

The XYZ color **71.4694, 77.3023, 25.6220** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.3021, 28.3616, 98.3264**, and the grayscale version is **69.7301, 73.3615, 79.8907**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **37.9478, 41.3830, 9.6021** is the 20% darker color. If you saturate the color by 10%, you get **68.9731, 74.1972, 18.9721**, and if you desaturate by 10%, it is **74.4054, 80.6499, 34.3842**.

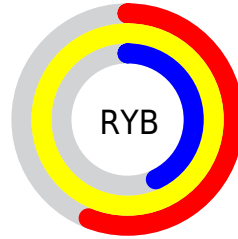
Distribution



Red (100%)

Green (89%)

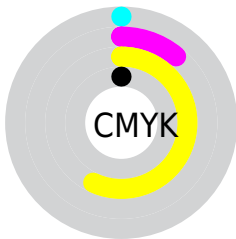
Blue (43%)



Red (56%)

Yellow (100%)

Blue (43%)

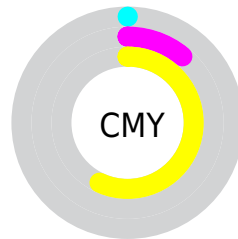


Cyan (0%)

Magenta (11%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4694, 77.3023, 25.6220 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 71.4694, 77.3023, 25.6220 by changing the saturation by 10% instead.


 71.4694, 77.3023,
25.6220

 71.4694, 77.3023,
25.6220


454.8790,
485.7941, 294.4677

 53.0093, 57.5010,
16.3178


 120.3167,
129.5661, 53.6411


 38.0377, 41.4076,
9.5926


 151.4347,
162.7974, 73.1931

 26.1893, 28.6377,
5.0276


 187.5026,
201.2742, 96.9981

 17.0987, 18.8069,
2.2044

 228.8858,
245.3809, 125.4747

 10.4006, 11.5309,
0.6769

275.9497,
295.5018, 159.0415

 5.7297, 6.4251,
0.0000

329.0596,

 2.7205, 3.1052,

352.0214, 198.1169

0.0000

388.5809,
415.3240, 243.1194

■ 1.0077, 1.1869,
0.0000

■ 0.0000, 0.0510,
0.0000

■ 71.4694, 77.3023,
25.6220

■ 71.4694, 77.3023,
25.6220

■ 68.9731, 74.1972,
18.9721

■ 74.4054, 80.6499,
34.3842

■ 66.8753, 71.3089,
14.2427

■ 77.8073, 84.2422,
45.4187

■ 65.1357, 68.6236,
11.2153

■ 81.7053, 88.0946,
58.8756

■ 63.7001, 66.1191,
9.6060

■ 86.1256, 92.2182,
74.8907

■ 63.3368, 65.4540,
9.2957

■ 91.0922, 96.6231,
93.5897

95.0498, 99.9999,
108.9000

Harmonies

Analogous

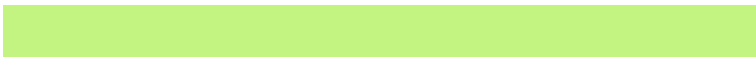
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8938, 77.3023, 29.5028



71.4694, 77.3023, 25.6220



58.4518, 77.3023, 32.4773

Triad

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



71.4694, 77.3023, 25.6220



52.0076, 77.3023, 139.5331



102.6644, 77.3023, 125.9460

Complementary

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



71.4694, 77.3023, 25.6220



33.3021, 28.3616, 98.3264

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.



90.8708, 77.3023, 173.2188



71.4694, 77.3023, 25.6220



61.5115, 77.3023, 182.7609

Square

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



71.4694, 77.3023, 25.6220



48.2291, 77.3023, 90.0956



75.5148, 77.3023, 196.8166



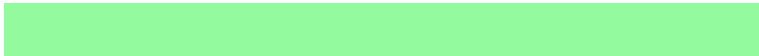
106.2741, 77.3023, 78.5083

Rectangle

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



71.4694, 77.3023, 25.6220



52.4647, 77.3023, 44.2666



75.5148, 77.3023, 196.8166



99.4533, 77.3023, 142.8462

Sweetspot

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



71.4712, 77.3060, 25.6236



86.2451, 92.3268, 75.3314



51.3109, 34.0388, 27.9875



18.2601, 19.5793, 15.3872



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.



71.4712, 77.3060, 25.6236



68.5793, 73.6777, 18.0134



65.4418, 86.5024, 27.7164



19.2478, 20.4638, 19.0798



33.2004, 34.4121, 4.8923



3.3051, 3.4956, 0.5005

Inverse Universe

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



33.3021, 28.3616, 98.3264



27.1599, 20.6470, 97.1615



36.6185, 24.9110, 97.4856



17.2848, 17.9413, 22.8020



10.0828, 5.0753, 49.8828



1.0525, 0.6357, 4.8805

Previews

White Background



This preview shows how the XYZ color 71.4694, 77.3023, 25.6220 looks on a white background.

Color Contrast Check

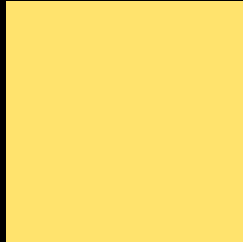
Large Text (above 18pt) WCAG AA × Fail

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 71.4694, 77.3023, 25.6220 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 71.4694, 77.3023, 25.6220

Background



This preview shows how black text looks on a background with the XYZ color 71.4694, 77.3023, 25.6220.

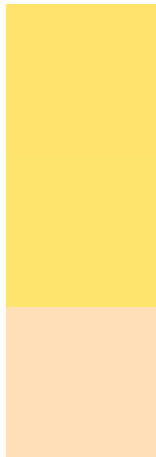


This preview shows how white text looks on a background with the XYZ color 71.4694, 77.3023,

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

71.4694, 77.3023, 25.6220

Protanopia

70.6486, 77.2864, 25.6622

Deuteranopia

76.1749, 77.4542, 55.7351



Tritanopia

80.5943, 77.1160, 85.5000

Trichromacy



Original Color

71.4694, 77.3023, 25.6220

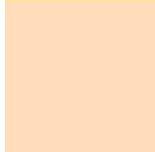
Protanomaly

71.0117, 77.4736, 25.6792



Deuteranomaly

73.8964, 76.9716, 42.4147



Tritanomaly

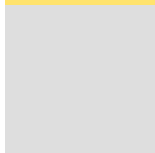
75.9594, 76.5181, 57.2203

Monochromacy



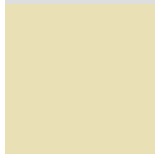
Original Color

71.4694, 77.3023, 25.6220



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

68.9278, 74.1399, 54.3936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4694, 77.3023, 25.6220 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 109) }
```

Border

The CSS property to change the border of an element to XYZ 71.4694, 77.3023, 25.6220 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, 109) }
```


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

```
.border{ border-color:rgb(255, 227, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4694, 77.3023, 25.6220 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, 109) }
```

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

```
.background{ background-color: rgb(255,  
227, 109) }
```

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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