

Converting Colors

XYZ(71.2975, 78.1685, 21.8344)

Have a look what the booklet for
XYZ(71.2975, 78.1685, 21.8344)
contains.

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Color

**XYZ(71.2797, 78.1068,
21.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE55E
RGB	255, 229, 94
RGB Percent	100%, 90%, 37%
CMY	0.0000, 0.1019, 0.6314
CMYK	0.00, 0.10, 0.63, 0.00
HSL	50°, 100%, 68%
HSV	50°, 63%, 100%
XYZ	71.2797, 78.1068, 21.9089
YIQ	221.3840, 58.8310, -36.4730

Conversions

Conversions Part 2

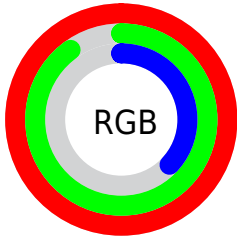
Format	Color
R _Y B	125, 255, 94
Decimal	16770398
CIE Lab	90.83, -6.20, 66.99
CIE LCh	91, 67.276, 95.288
Yxy	78.1068, 0.4161, 0.4560
Android (android.graphics.Color)	4294960478 (0xFFFFE55E)
YUV	221.3840, -62.8003, 29.4812
Hunter-Lab	88.3781, -10.6957, 47.1667

Details

The XYZ color **71.2797, 78.1068, 21.9089** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **29.3824, 23.0319, 97.5042**, and the grayscale version is **69.3980, 73.0121, 79.5102**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **37.9451, 41.9956, 7.6961** is the 20% darker color. If you saturate the color by 10%, you get **69.1941, 75.4743, 16.4709**, and if you desaturate by 10%, it is **73.7739, 80.9519, 29.3488**.

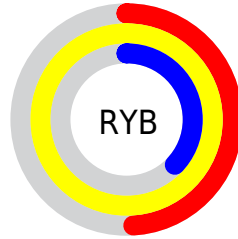
Distribution



Red (100%)

Green (90%)

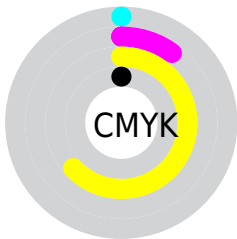
Blue (37%)



Red (49%)

Yellow (100%)

Blue (37%)

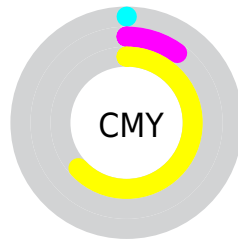


Cyan (0%)

Magenta (10%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2797, 78.1068, 21.9089 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 71.2797, 78.1068, 21.9089 by changing the saturation by 10% instead.

71.2797, 78.1068,
21.9089

71.2797, 78.1068,
21.9089

454.2272,
488.5295, 275.0081

52.8538, 58.1617,
13.5923

120.0483,
130.7007, 47.4956

37.9131, 41.9387,
7.7022

151.1217,
164.1182, 65.6029

26.0922, 29.0533,
3.8199

187.1416,
202.7954, 87.8107

17.0256, 19.1211,
1.5271

228.4735,
247.1166, 114.5377

10.3482, 11.7578,
0.2380

275.4826,
297.4662, 146.2024

5.6945, 6.5790,
0.0000

328.5344,

2.6991, 3.2002,

354.2286, 183.2234

0.0000

387.9942,
417.7883, 226.0191

■ 0.9967, 1.2371,
0.0000

■ 0.0000, 0.0917,
0.0000

■ 71.2797, 78.1068,
21.9089

■ 71.2797, 78.1068,
21.9089

■ 69.1941, 75.4743,
16.4709

■ 73.7739, 80.9519,
29.3488

■ 67.4724, 73.0274,
12.8254


■ 76.7048, 84.0122,
38.9628


■ 66.0692, 70.7505,
10.7252

■ 80.1045, 87.3038,
50.9099

■ 65.2433, 69.2670,
9.9312

■ 84.0002, 90.8379,
65.3329

 88.4169, 94.6248,
82.3632

 93.3782, 98.6742,
102.1230

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.



88.6897, 78.1068, 25.3717



71.2797, 78.1068, 21.9089



56.9826, 78.1068, 29.4024

Triad

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



71.2797, 78.1068, 21.9089



50.7190, 78.1068, 151.0379



107.8945, 78.1068, 130.2569

Complementary

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



71.2797, 78.1068, 21.9089



29.3824, 23.0319, 97.5042

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.



94.6668, 78.1068, 186.0470



71.2797, 78.1068, 21.9089



61.4485, 78.1068, 200.8979

Square

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



71.2797, 78.1068, 21.9089



46.3223, 78.1068, 93.9253



77.2774, 78.1068, 215.6811



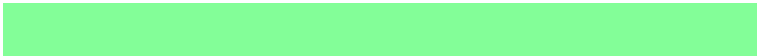
111.5817, 78.1068, 76.7429

Rectangle

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



71.2797, 78.1068, 21.9089



50.5738, 78.1068, 42.2496



77.2774, 78.1068, 215.6811



104.3275, 78.1068, 149.9169

Sweetspot

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



71.2815, 78.1105, 21.9105



85.7627, 92.3733, 72.0531



48.6840, 30.6424, 21.3853



18.0938, 19.5435, 14.4173



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.



71.2815, 78.1105, 21.9105



68.6658, 74.7553, 15.2533



61.9577, 84.7917, 23.6915



19.2968, 20.5618, 19.0961



34.1843, 36.3799, 5.2203



3.3922, 3.6698, 0.5295

Inverse Universe

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



29.3824, 23.0319, 97.5042



23.8564, 15.9577, 96.4305



34.2059, 21.4911, 96.9526



17.2398, 17.8513, 22.7870



9.9183, 4.7462, 49.8279



1.0300, 0.5908, 4.8730

Previews

White Background



This preview shows how the XYZ color 71.2797, 78.1068, 21.9089 looks on a white background.

Color Contrast Check

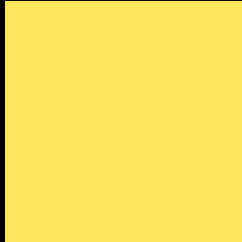
Large Text (above 18pt) WCAG AA × Fail

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 71.2797, 78.1068, 21.9089 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 71.2797, 78.1068, 21.9089

Background



This preview shows how black text looks on a background with the XYZ color 71.2797, 78.1068, 21.9089.



This preview shows how white text looks on a background with the XYZ color 71.2797, 78.1068,

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

71.2797, 78.1068, 21.9089

Protanopia

71.2797, 78.1068, 21.9089

Deuteranopia

76.6526, 78.0741, 56.9287



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

71.2797, 78.1068, 21.9089

Protanomaly

71.2797, 78.1068, 21.9089



Deuteranomaly

74.1039, 77.9197, 40.8401



Tritanomaly

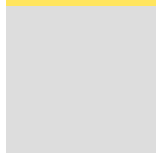
75.9682, 77.3715, 54.6463

Monochromacy



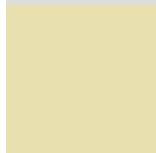
Original Color

71.2797, 78.1068, 21.9089



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.9978, 73.7301, 51.2049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2797, 78.1068, 21.9089 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, 229, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 94)  
}
```

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, 229, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 94) }
```

Border

The CSS property to change the border of an element to XYZ 71.2797, 78.1068, 21.9089 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, 229, 94) }
```


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

```
.border{ border-color:rgb(255, 229, 94) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2797, 78.1068, 21.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 94) }
```

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

```
.background{ background-color: rgb(255,  
229, 94) }
```

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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