

Converting Colors

XYZ(71.7077, 89.7015, 29.6076)

Have a look what the booklet for
XYZ(71.7077, 89.7015, 29.6076)
contains.

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Color

**XYZ(71.8095, 89.7467,
29.7577)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF73
RGB	231, 255, 115
RGB Percent	91%, 100%, 45%
CMY	0.0941, 0.0000, 0.5490
CMYK	0.09, 0.00, 0.55, 0.00
HSL	70°, 100%, 73%
HSV	70°, 55%, 100%
XYZ	71.8095, 89.7467, 29.7577
YIQ	231.8640, 30.6360, -48.6280

Conversions

Conversions Part 2

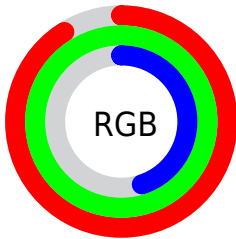
Format	Color
RYB	115, 255, 139
Decimal	15204211
CIELab	95.89, -26.90, 63.13
CIELCh	96, 68.619, 113.081
Yxy	89.7467, 0.3753, 0.4691
Android (android.graphics.Color)	4293394291 (0xFFE7FF73)
YUV	231.8640, -57.6140, -0.7577
Hunter-Lab	94.7347, -30.4817, 47.6904

Details

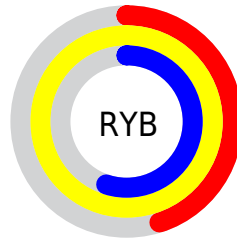
The XYZ color **71.8095, 89.7467, 29.7577** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **34.8293, 24.9717, 97.5921**, and the grayscale version is **77.0007, 81.0107, 88.2207**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **38.2171, 49.5882, 11.6949** is the 20% darker color. If you saturate the color by 10%, you get **69.1458, 88.5202, 23.0043**, and if you desaturate by 10%, it is **74.9146, 91.1538, 38.6522**.

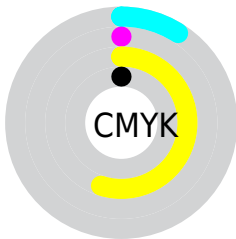
Distribution



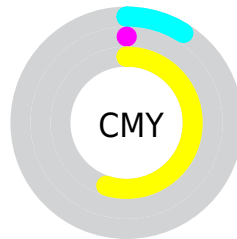
- Red (91%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (55%)



- Cyan (9%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8095, 89.7467, 29.7577 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 71.8095, 89.7467, 29.7577 by changing the saturation by 10% instead.


 71.8095, 89.7467,
29.7577


 71.8095, 89.7467,
29.7577


456.0462,
527.2065, 314.9455


 53.2880, 67.7706,
19.4043


 120.7979,
146.9865, 60.3353

 38.2611, 49.7111,
11.7830


 151.9955,
183.0190, 81.3964

 26.3635, 35.1839,
6.4753


 188.1492,
224.5057, 106.8640

 17.2299, 23.8046,
3.0628

229.6243,
271.8310, 137.1564

 10.4949, 15.1887,
1.1268

276.7862,
325.3794, 172.6922

 5.7931, 8.9519,
0.0000

330.0003,

 2.7591, 4.7098,

385.5351, 213.8899

0.0000

389.6318,
452.6827, 261.1682

■ 1.0277, 2.0780,
0.0000

■ 0.0000, 0.6522,
0.0000

■ 71.8095, 89.7467,
29.7577

■ 71.8095, 89.7467,
29.7577

■ 69.1458, 88.5202,
23.0043

■ 74.9146, 91.1538,
38.6522

■ 66.8884, 87.4603,
18.2072

■ 78.4913, 92.7536,
49.8446

■ 64.9971, 86.5509,
15.1569

■ 82.5675, 94.5574,
63.4811

■ 63.4224, 85.7721,
13.5939

■ 87.1689, 96.5754,
79.6949

■ 62.7054, 85.4109,
13.1810

■ 92.3191, 98.8171,
98.6096

95.0500, 100.0000,
108.9000

Harmonies

Analogous

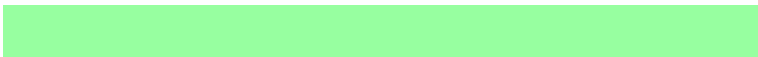
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7635, 89.7467, 26.4539



71.8095, 89.7467, 29.7577



59.3785, 89.7467, 47.5127

Triad

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



71.8095, 89.7467, 29.7577



65.2468, 89.7467, 207.0367



126.7909, 89.7467, 110.8269

Complementary

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



71.8095, 89.7467, 29.7577



34.8293, 24.9717, 97.5921

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.



117.8466, 89.7467, 174.6907



71.8095, 89.7467, 29.7577



80.9900, 89.7467, 242.0853

Square

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



71.8095, 89.7467, 29.7577



55.9996, 89.7467, 144.5617



100.3858, 89.7467, 228.4581



123.3716, 89.7467, 62.2761

Rectangle

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



71.8095, 89.7467, 29.7577



54.9946, 89.7467, 70.4057



100.3858, 89.7467, 228.4581



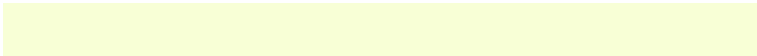
125.0913, 89.7467, 131.3147

Sweetspot

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



71.8096, 89.7468, 29.7589



86.6365, 96.3427, 77.7821



53.4716, 40.7716, 21.2723



18.3342, 20.5296, 15.9007



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

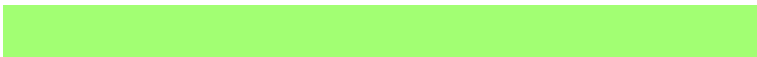
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8096, 89.7468, 29.7589



68.8783, 88.3958, 22.3845



53.6879, 80.4047, 28.9108



19.2376, 20.9239, 19.1691



32.8772, 44.6869, 6.8926



3.2781, 4.3907, 0.6747

Inverse Universe

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



34.8293, 24.9717, 97.5921



28.5771, 17.6703, 96.5123



50.2878, 32.9408, 98.3155



17.2932, 17.5274, 22.7216



10.0519, 4.0924, 49.6947



1.0554, 0.4380, 4.8422

Previews

White Background



This preview shows how the XYZ color 71.8095, 89.7467, 29.7577 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 71.8095, 89.7467, 29.7577 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 71.8095, 89.7467, 29.7577

Background



This preview shows how black text looks on a background with the XYZ color 71.8095, 89.7467, 29.7577.

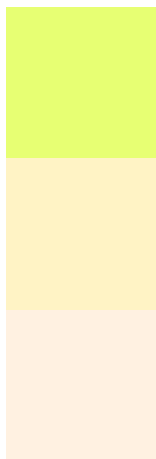


This preview shows how white text looks on a background with the XYZ color 71.8095, 89.7467,

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

71.8095, 89.7467, 29.7577

Protanopia

83.3686, 89.3924, 65.6838

Deuteranopia

86.2859, 89.6068, 83.9823



Tritanopia

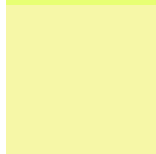
87.2161, 89.1330, 107.2153

Trichromacy



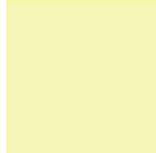
Original Color

71.8095, 89.7467, 29.7577



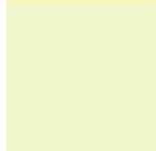
Protanomaly

78.2419, 88.9044, 49.5957



Deuteranomaly

79.7188, 89.0071, 58.8774



Tritanomaly

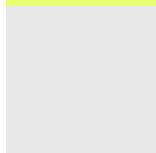
79.8271, 88.3652, 69.9756

Monochromacy



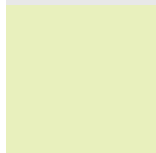
Original Color

71.8095, 89.7467, 29.7577



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6241, 83.1501, 60.3133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8095, 89.7467, 29.7577 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(231, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 115)  
}
```

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(231, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 115) }
```

Border

The CSS property to change the border of an element to XYZ 71.8095, 89.7467, 29.7577 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(231, 255, 115) }
```


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

```
.border{ border-color:rgb(231, 255, 115) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8095, 89.7467, 29.7577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 115) }
```

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

```
.background{ background-color: rgb(231,  
255, 115) }
```

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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