

Converting Colors

XYZ(71.3010, 85.0078, 18.6101)

Have a look what the booklet for
XYZ(71.3010, 85.0078, 18.6101)
contains.

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Color

**XYZ(71.4459, 85.1722,
18.6355)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F547
RGB	245, 245, 71
RGB Percent	96%, 96%, 28%
CMY	0.0392, 0.0392, 0.7215
CMYK	0.00, 0.00, 0.71, 0.04
HSL	60°, 90%, 62%
HSV	60°, 71%, 96%
XYZ	71.4459, 85.1722, 18.6355
YIQ	225.1640, 55.8540, -54.1140

Conversions

Conversions Part 2

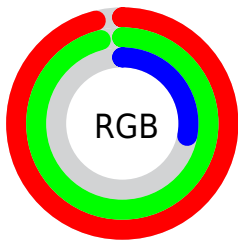
Format	Color
RYB	71, 245, 71
Decimal	16119111
CIELab	93.96, -19.33, 78.54
CIELCh	94, 80.883, 103.829
Yxy	85.1722, 0.4077, 0.4860
Android (android.graphics.Color)	4294309191 (0xFFFF5F547)
YUV	225.1640, -76.0029, 17.3962
Hunter-Lab	92.2888, -23.3186, 52.6300

Details

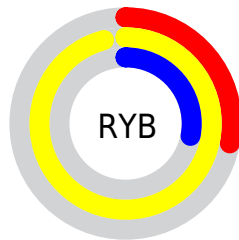
The XYZ color **71.4459, 85.1722, 18.6355** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **21.3356, 12.4404, 87.6682**, and the grayscale version is **72.1899, 75.9493, 82.7088**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **38.2052, 46.7095, 7.0022** is the 20% darker color. If you saturate the color by 10%, you get **70.8131, 84.9222, 15.2967**, and if you desaturate by 10%, it is **72.3994, 85.5568, 23.6460**.

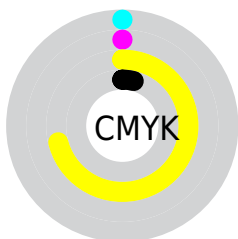
Distribution



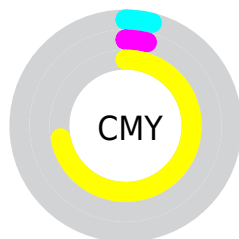
- Red (96%)
- Green (96%)
- Blue (28%)



- Red (28%)
- Yellow (96%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (71%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4459, 85.1722, 18.6355 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 71.4459, 85.1722, 18.6355 by changing the saturation by 10% instead.

71.4459, 85.1722,
18.6355

71.4459, 85.1722,
18.6355

454.7983,
512.1977, 256.7844

52.9900, 63.9837,
11.2331

120.2835,
140.6137, 41.9457

38.0222, 46.6375,
6.1077

151.3959,
175.6355, 58.6906

26.1772, 32.7491,
2.8408

187.4579,
216.0372, 79.3867

17.0897, 21.9343,
1.0139

228.8347,
262.2032, 104.4525

10.3941, 13.8087,
0.0000

275.8918,
314.5178, 134.3067

5.7253, 7.9877,
0.0000

328.9946,

2.7178, 4.0871,

373.3655, 169.3677

0.0000

388.5083,
439.1307, 210.0541

■ 1.0064, 1.7224,
0.0000

■ 0.0000, 0.4381,
0.0000

■ 71.4459, 85.1722,
18.6355

■ 71.4459, 85.1722,
18.6355

■ 70.8131, 84.9222,
15.2967

■ 72.3994, 85.5568,
23.6460


■ 70.4545, 84.7787,
13.4099

■ 73.7017, 86.0778,
30.5019


■ 70.3093, 84.7206,
12.6470


■ 75.3844, 86.7509,
39.3611


■ 77.4741, 87.5868,
50.3632

 79.9947, 88.5951,
63.6351

 82.9687, 89.7848,
79.2940

 86.4167, 91.1640,
97.4491

 88.3632, 91.9426,
107.6972

 88.3636, 91.9428,
107.6972

Harmonies

Analogous

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



93.0540, 85.1722, 19.0697



71.4459, 85.1722, 18.6355



55.5106, 85.1722, 30.7597

Triad

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



71.4459, 85.1722, 18.6355



54.5841, 85.1722, 201.6137



127.6402, 85.1722, 129.8803

Complementary

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



71.4459, 85.1722, 18.6355



21.3356, 12.4404, 87.6682

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.



113.1805, 85.1722, 207.4275



71.4459, 85.1722, 18.6355



69.9505, 85.1722, 259.8322

Square

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



71.4459, 85.1722, 18.6355



47.0097, 85.1722, 124.1004



91.2695, 85.1722, 262.3365



128.2353, 85.1722, 67.1619

Rectangle

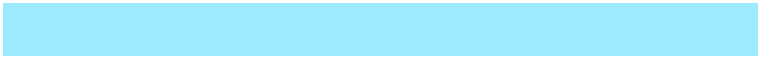
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.4459, 85.1722, 18.6355



49.1632, 85.1722, 49.6191



91.2695, 85.1722, 262.3365



124.1382, 85.1722, 155.5596

Sweetspot

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



71.4479, 85.1762, 18.6372



87.5948, 97.0178, 69.6459



41.0497, 24.3760, 8.5038



18.5751, 20.6963, 13.9918



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.



71.4479, 85.1762, 18.6372



77.3505, 92.9198, 15.7135



47.8938, 73.0336, 17.5349



17.9147, 19.3136, 17.5813



37.8748, 45.6380, 6.8128



3.3288, 4.0111, 0.5988

Inverse Universe

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



21.3356, 12.4404, 87.6682



19.5601, 9.0393, 95.3216



32.8379, 18.3700, 88.2065



15.5813, 15.9268, 20.7955



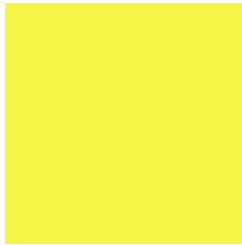
8.8790, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 71.4459, 85.1722, 18.6355 looks on a white background.

Color Contrast Check

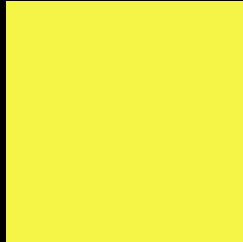
Large Text (above 18pt) WCAG AA × Fail

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 71.4459, 85.1722, 18.6355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

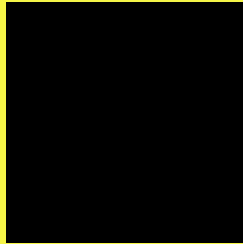
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4459, 85.1722, 18.6355

Background



This preview shows how black text looks on a background with the XYZ color 71.4459, 85.1722, 18.6355.



This preview shows how white text looks on a background with the XYZ color 71.4459, 85.1722,

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

71.4459, 85.1722, 18.6355

Protanopia

78.5154, 85.0894, 47.4077

Deuteranopia

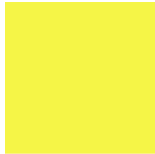
82.1714, 84.7091, 72.3412



Tritanopia

86.1450, 84.9435, 97.4433

Trichromacy



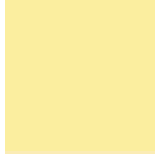
Original Color

71.4459, 85.1722, 18.6355



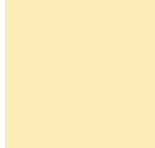
Protanomaly

75.2682, 85.0315, 33.5648



Deuteranomaly

76.6162, 84.1615, 45.0076



Tritanomaly

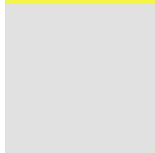
78.1196, 83.8363, 55.7807

Monochromacy



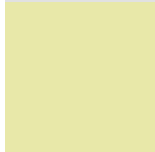
Original Color

71.4459, 85.1722, 18.6355



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.2968, 77.7336, 48.8879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4459, 85.1722, 18.6355 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(245, 245, 71)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 71)  
}
```

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(245, 245, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 71) }
```

Border

The CSS property to change the border of an element to XYZ 71.4459, 85.1722, 18.6355 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(245, 245, 71) }
```


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

```
.border{ border-color:rgb(245, 245, 71) }
```

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

Here you see how a box with a 4 pixel rgb(245, 245, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 71);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4459, 85.1722, 18.6355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 71) }
```

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

```
.background{ background-color: rgb(245,  
245, 71) }
```

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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