

Converting Colors

XYZ(89.4203, 86.5111, 19.6634)

Have a look what the booklet for
XYZ(89.4203, 86.5111, 19.6634)
contains.

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Color

**XYZ(70.1571, 76.7774,
18.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE350
RGB	255, 227, 80
RGB Percent	100%, 89%, 31%
CMY	0.0000, 0.1098, 0.6863
CMYK	0.00, 0.11, 0.69, 0.00
HSL	50°, 100%, 66%
HSV	50°, 69%, 100%
XYZ	70.1571, 76.7774, 18.7113
YIQ	218.6140, 63.8750, -39.7810

Conversions

Conversions Part 2

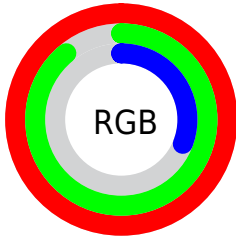
Format	Color
R_{YB}	113, 255, 80
Decimal	16769872
CIE Lab	90.22, -5.97, 71.94
CIE LCh	90, 72.190, 94.744
Yxy	76.7774, 0.4235, 0.4635
Android (android.graphics.Color)	4294959952 (0xFFFFE350)
YUV	218.6140, -68.3367, 31.9105
Hunter-Lab	87.6227, -10.4197, 48.6749

Details

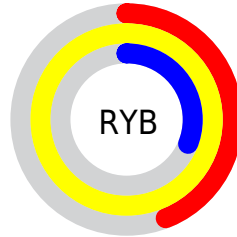
The XYZ color **70.1571, 76.7774, 18.7113** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **26.7209, 19.6502, 96.9917**, and the grayscale version is **67.4938, 71.0087, 77.3285**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **37.2911, 41.1203, 6.1439** is the 20% darker color. If you saturate the color by 10%, you get **68.2859, 74.2678, 14.2886**, and if you desaturate by 10%, it is **72.4156, 79.4901, 25.0275**.

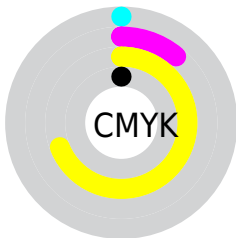
Distribution



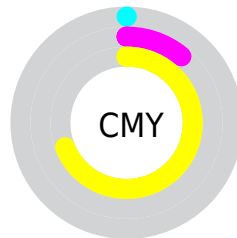
- Red (100%)
- Green (89%)
- Blue (31%)



- Red (44%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (11%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1571, 76.7774, 18.7113 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 70.1571, 76.7774, 18.7113 by changing the saturation by 10% instead.

70.1571, 76.7774,
18.7113

70.1571, 76.7774,
18.7113

450.3592,
484.0047, 257.2197

51.9347, 57.0702,
11.2872

118.4578,
128.8252, 42.0759

37.1771, 41.0616,
6.1437

149.2668,
161.9346, 58.8534

25.5189, 28.3672,
2.8625

185.0020,
200.2802, 79.5858

16.5949, 18.6027,
1.0248

226.0289,
244.2464, 104.6916

10.0396, 11.3835,
0.0000

272.7127,
294.2175, 134.5893

5.4877, 6.3254,
0.0000

325.4187,

2.5738, 3.0440,

350.5780, 169.6976

0.0000

384.5125,
413.7123, 210.4348

■ 0.9326, 1.1547,
0.0000

■ 0.0000, 0.0243,
0.0000

■ 70.1571, 76.7774,
18.7113

■ 70.1571, 76.7774,
18.7113

■ 68.2859, 74.2678,
14.2886

■ 72.4156, 79.4901,
25.0275

■ 66.7537, 71.9328,
11.5288

■ 75.0924, 82.4098,
33.4234

■ 65.5008, 69.7513,
10.1117

■ 78.2213, 85.5533,
44.0678

■ 65.3393, 69.4589,
9.9632

■ 81.8311, 88.9321,
57.1112

■ 85.9479, 92.5573,
72.6909

■ 90.5960, 96.4386,
90.9338

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.



88.7159, 76.7774, 22.2753



70.1571, 76.7774, 18.7113



55.0169, 76.7774, 25.8349

Triad

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



70.1571, 76.7774, 18.7113



48.1263, 76.7774, 153.5429



108.8574, 76.7774, 133.2702

Complementary

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



70.1571, 76.7774, 18.7113



26.7209, 19.6502, 96.9917

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.



94.4679, 76.7774, 193.9854



70.1571, 76.7774, 18.7113



59.2150, 76.7774, 208.6702

Square

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



70.1571, 76.7774, 18.7113



43.6963, 76.7774, 92.0422



75.8666, 76.7774, 225.8899



113.0641, 76.7774, 75.6858

Rectangle

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



70.1571, 76.7774, 18.7113



48.2607, 76.7774, 38.5318



75.8666, 76.7774, 225.8899



104.9470, 76.7774, 154.6328

Sweetspot

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



70.1589, 76.7811, 18.7128



84.9236, 91.6741, 68.7552



46.8783, 28.1057, 17.4704



17.9300, 19.4060, 13.7767



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.



70.1589, 76.7811, 18.7128



67.7336, 73.4613, 13.1839



60.1470, 83.9244, 20.6193



19.2992, 20.5667, 19.0969



34.2338, 36.4789, 5.2368



3.3966, 3.6785, 0.5310

Inverse Universe

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



26.7209, 19.6502, 96.9917



21.9934, 13.4408, 96.0429



31.4559, 18.3900, 96.4989



17.2376, 17.8469, 22.7862



9.9109, 4.7314, 49.8255



1.0290, 0.5887, 4.8727

Previews

White Background



This preview shows how the XYZ color 70.1571, 76.7774, 18.7113 looks on a white background.

Color Contrast Check

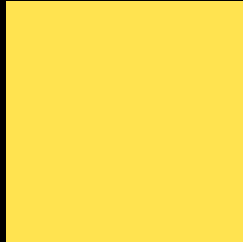
Large Text (above 18pt) WCAG AA × Fail

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 70.1571, 76.7774, 18.7113 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 70.1571, 76.7774, 18.7113

Background



This preview shows how black text looks on a background with the XYZ color 70.1571, 76.7774, 18.7113.



This preview shows how white text looks on a background with the XYZ color 70.1571, 76.7774,

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

70.1571, 76.7774, 18.7113

Protanopia

69.7901, 76.5882, 18.6941

Deuteranopia

75.3972, 76.7169, 52.9535



Tritanopia

80.0564, 76.4871, 83.9429

Trichromacy



Original Color

70.1571, 76.7774, 18.7113

Protanomaly

69.7901, 76.5882, 18.6941



Deuteranomaly

72.7781, 76.5243, 36.5260



Tritanomaly

74.7364, 76.0289, 50.7804

Monochromacy



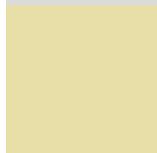
Original Color

70.1571, 76.7774, 18.7113



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

66.4679, 72.2255, 47.4835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1571, 76.7774, 18.7113 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 80) }
```

Border

The CSS property to change the border of an element to XYZ 70.1571, 76.7774, 18.7113 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, 80) }
```


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

```
.border{ border-color:rgb(255, 227, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1571, 76.7774, 18.7113 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, 80) }
```

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

```
.background{ background-color: rgb(255,  
227, 80) }
```

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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