

Converting Colors

XYZ(84.2475, 84.3227, 19.3564)

Have a look what the booklet for
XYZ(84.2475, 84.3227, 19.3564)
contains.

XYZ(70.4314, 77.3260, 18.8027)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.4314, 77.3260,
18.8027)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE450
RGB	255, 228, 80
RGB Percent	100%, 89%, 31%
CMY	0.0000, 0.1059, 0.6863
CMYK	0.00, 0.11, 0.69, 0.00
HSL	51°, 100%, 66%
HSV	51°, 69%, 100%
XYZ	70.4314, 77.3260, 18.8027
YIQ	219.2010, 63.6000, -40.3040

Conversions

Conversions Part 2

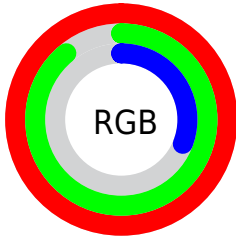
Format	Color
RYB	112, 255, 80
Decimal	16770128
CIELab	90.47, -6.47, 72.20
CIElCh	90, 72.487, 95.121
Yxy	77.3260, 0.4229, 0.4643
Android (android.graphics.Color)	4294960208 (0xFFFFE450)
YUV	219.2010, -68.6261, 31.3957
Hunter-Lab	87.9352, -10.9176, 48.8770

Details

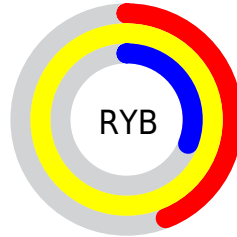
The XYZ color **70.4314, 77.3260, 18.8027** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **26.6160, 19.4405, 96.9568**, and the grayscale version is **67.9042, 71.4405, 77.7987**.

A 20% lighter version of the original color is **81.5154, 94.5861, 37.6275**, and **37.4821, 41.5024, 6.2075** is the 20% darker color. If you saturate the color by 10%, you get **68.5930, 74.8818, 14.3909**, and if you desaturate by 10%, it is **72.6554, 79.9697, 25.1074**.

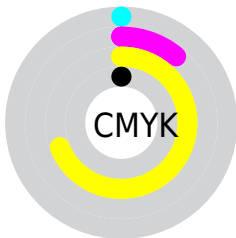
Distribution



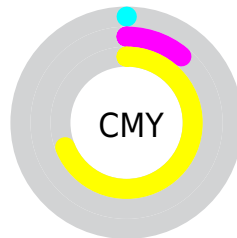
- Red (100%)
- Green (89%)
- Blue (31%)



- 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 70.4314, 77.3260, 18.8027 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 70.4314, 77.3260, 18.8027 by changing the saturation by 10% instead.

70.4314, 77.3260,
18.8027

70.4314, 77.3260,
18.8027

451.3061,
485.8748, 257.7437

52.1592, 57.5205,
11.3524

118.8467,
129.5996, 42.2327

37.3567, 41.4233,
6.1873

149.7204,
162.8364, 59.0495

25.6588, 28.6500,
2.8887

185.5254,
201.3191, 79.8256

16.6999, 18.8162,
1.0381

226.6270,
245.4321, 104.9794

10.1147, 11.5375,
0.0000

273.3905,
295.5598, 134.9296

5.5379, 6.4296,
0.0000

326.1812,

2.6042, 3.1080,

352.0865, 170.0947

0.0000

385.3647,
415.3967, 210.8932

■ 0.9481, 1.1884,
0.0000

■ 0.0000, 0.0522,
0.0000

■ 70.4314, 77.3260,
18.8027

■ 70.4314, 77.3260,
18.8027

■ 68.5930, 74.8818,
14.3909

■ 72.6554, 79.9697,
25.1074

■ 67.0916, 72.6086,
11.6415

■ 75.2958, 82.8167,
33.4911

■ 65.8679, 70.4853,
10.2341

■ 78.3866, 85.8838,
44.1228

■ 65.7102, 70.2007,
10.0868

■ 81.9563, 89.1825,
57.1529

■ 86.0311, 92.7237,
72.7186

■ 90.6354, 96.5174,
90.9469

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.



89.1427, 77.3260, 22.2554



70.4314, 77.3260, 18.8027



55.2263, 77.3260, 26.1269

Triad

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



70.4314, 77.3260, 18.8027



48.5323, 77.3260, 155.5958



109.8330, 77.3260, 133.5125

Complementary

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



70.4314, 77.3260, 18.8027



26.6160, 19.4405, 96.9568

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.



95.4069, 77.3260, 194.9605



70.4314, 77.3260, 18.8027



59.7966, 77.3260, 210.9599

Square

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



70.4314, 77.3260, 18.8027



43.9800, 77.3260, 93.4141



76.6483, 77.3260, 227.7267



113.9257, 77.3260, 75.6031

Rectangle

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



70.4314, 77.3260, 18.8027



48.4685, 77.3260, 39.0691



76.6483, 77.3260, 227.7267



105.9273, 77.3260, 155.0786

Sweetspot

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



70.4332, 77.3297, 18.8043



85.0170, 91.8609, 68.7863



46.8783, 28.1057, 17.4704



17.9525, 19.4509, 13.7842



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.



70.4332, 77.3297, 18.8043



68.0512, 74.0966, 13.2898



60.1470, 83.9244, 20.6193



19.3085, 20.5852, 19.1000



34.4251, 36.8615, 5.3006



3.4134, 3.7122, 0.5366

Inverse Universe

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



26.6160, 19.4405, 96.9568



21.9075, 13.2691, 96.0143



31.4559, 18.3900, 96.4989



17.2292, 17.8299, 22.7834



9.8832, 4.6760, 49.8162



1.0250, 0.5808, 4.8713

Previews

White Background



This preview shows how the XYZ color 70.4314, 77.3260, 18.8027 looks on a white background.

Color Contrast Check

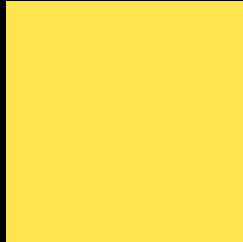
Large Text (above 18pt) WCAG AA × Fail

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 70.4314, 77.3260, 18.8027 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 70.4314, 77.3260, 18.8027

Background



This preview shows how black text looks on a background with the XYZ color 70.4314, 77.3260, 18.8027.



This preview shows how white text looks on a background with the XYZ color 70.4314, 77.3260,

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

70.4314, 77.3260, 18.8027

Protanopia

70.4314, 77.3260, 18.8027

Deuteranopia

75.8659, 77.3306, 54.1078



Tritanopia

80.4543, 77.0600, 84.7624

Trichromacy



Original Color

70.4314, 77.3260, 18.8027

Protanomaly

70.4314, 77.3260, 18.8027

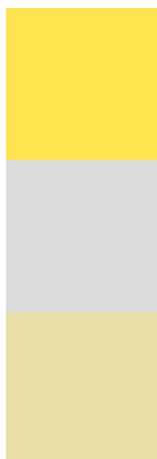
Deuteranomaly

73.1993, 77.1240, 37.4140

Tritanomaly

75.0991, 76.5977, 51.3841

Monochromacy



Original Color

70.4314, 77.3260, 18.8027

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 70.4314, 77.3260, 18.8027 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, 228, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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, 228, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 80) }
```

Border

The CSS property to change the border of an element to XYZ 70.4314, 77.3260, 18.8027 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, 228, 80) }
```


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

```
.border{ border-color:rgb(255, 228, 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, 228, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4314, 77.3260, 18.8027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 80) }
```

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

```
.background{ background-color: rgb(255,  
228, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor