

Converting Colors

XYZ(70.9284, 76.3898, 24.9190)

Have a look what the booklet for
XYZ(70.9284, 76.3898, 24.9190)
contains.

XYZ(70.8191, 76.1720, 24.8800)	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(70.8191, 76.1720,
24.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE16B
RGB	255, 225, 107
RGB Percent	100%, 88%, 42%
CMY	0.0000, 0.1176, 0.5804
CMYK	0.00, 0.12, 0.58, 0.00
HSL	48°, 100%, 71%
HSV	48°, 58%, 100%
XYZ	70.8191, 76.1720, 24.8800
YIQ	220.5180, 55.7580, -30.3380

Conversions

Conversions Part 2

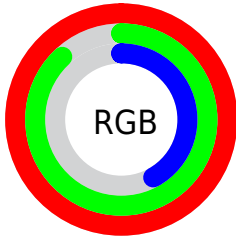
Format	Color
R_{YB}	145, 255, 107
Decimal	16769387
CIE _{Lab}	89.94, -3.35, 60.38
CIE _{LCh}	90, 60.474, 93.172
Yxy	76.1720, 0.4120, 0.4432
Android (android.graphics.Color)	4294959467 (0xFFFFE16B)
YUV	220.5180, -55.9644, 30.2407
Hunter-Lab	87.2766, -7.8932, 44.1918

Details

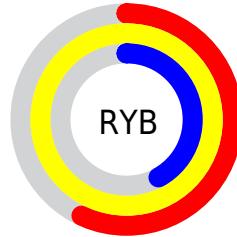
The XYZ color **70.8191, 76.1720, 24.8800** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.0588, 28.2362, 98.3151**, and the grayscale version is **68.7434, 72.3234, 78.7602**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **37.5230, 40.6086, 9.2287** is the 20% darker color. If you saturate the color by 10%, you get **68.2949, 72.9635, 18.3677**, and if you desaturate by 10%, it is **73.7846, 79.6305, 33.4922**.

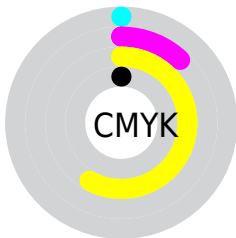
Distribution



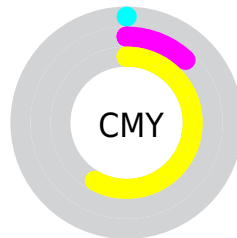
- Red (100%)
- Green (88%)
- Blue (42%)



- Red (57%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8191, 76.1720, 24.8800 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 70.8191, 76.1720, 24.8800 by changing the saturation by 10% instead.


 70.8191, 76.1720,
24.8800

 70.8191, 76.1720,
24.8800


452.6425,
481.9363, 290.6683


 52.4766, 56.5736,
15.7695


 119.3960,
127.9700, 52.4242


 37.6109, 40.6630,
9.2086


 150.3611,
160.9384, 71.6949

 25.8567, 28.0558,
4.7788


 186.2645,
199.1321, 95.1895

 16.8486, 18.3677,
2.0616

 227.4715,
242.9358, 123.3264

 10.2212, 11.2143,
0.5928

274.3474,
292.7336, 156.5242

 5.6093, 6.2112,
0.0000

327.2576,

 2.6474, 2.9739,

348.9100, 195.2014

0.0000

386.5676,
411.8494, 239.7766

■ 0.9702, 1.1181,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.8191, 76.1720,
24.8800

■ 70.8191, 76.1720,
24.8800

■ 68.2949, 72.9635,
18.3677

■ 73.7846, 79.6305,
33.4922

■ 66.1705, 69.9790,
13.7616


■ 77.2181, 83.3415,
44.3659


■ 64.4048, 67.2046,
10.8396

■ 81.1501, 87.3208,
57.6524

■ 62.9400, 64.6163,
9.2986

■ 85.6067, 91.5793,
73.4883

 62.6718, 64.1238,
9.0740

 90.6125, 96.1274,
92.0001

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.



86.1723, 76.1720, 29.0060



70.8191, 76.1720, 24.8800



57.7734, 76.1720, 31.3282

Triad

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



70.8191, 76.1720, 24.8800



50.8927, 76.1720, 136.6716



101.2208, 76.1720, 125.9493

Complementary

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



70.8191, 76.1720, 24.8800



33.0588, 28.2362, 98.3151

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.



89.3060, 76.1720, 172.7672



70.8191, 76.1720, 24.8800



60.1779, 76.1720, 180.3098

Square

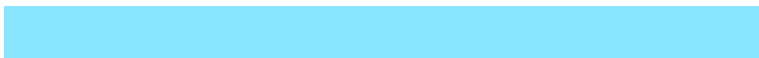
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8191, 76.1720, 24.8800



47.3091, 76.1720, 87.5810



74.0026, 76.1720, 195.3795



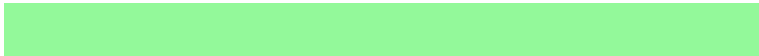
105.0849, 76.1720, 78.4628

Rectangle

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



70.8191, 76.1720, 24.8800



51.7293, 76.1720, 42.7104



74.0026, 76.1720, 195.3795



97.9505, 76.1720, 142.7658

Sweetspot

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



70.8209, 76.1756, 24.8815



86.1007, 92.0381, 75.2833



51.1631, 33.6421, 28.2496



18.2257, 19.5106, 15.3757



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.



70.8209, 76.1756, 24.8815



67.8479, 72.3607, 17.3200



65.8740, 86.7375, 27.1809



19.2302, 20.4286, 19.0739



32.8570, 33.7251, 4.7779



3.2746, 3.4345, 0.4903

Inverse Universe

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



33.0588, 28.2362, 98.3151



26.9393, 20.5149, 97.1476



35.6906, 24.1196, 97.3818



17.3011, 17.9738, 22.8074



10.1491, 5.2078, 49.9049



1.0612, 0.6531, 4.8834

Previews

White Background



This preview shows how the XYZ color 70.8191, 76.1720, 24.8800 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 70.8191, 76.1720, 24.8800 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 70.8191, 76.1720, 24.8800

Background



This preview shows how black text looks on a background with the XYZ color 70.8191, 76.1720, 24.8800.



This preview shows how white text looks on a background with the XYZ color 70.8191, 76.1720,

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

70.8191, 76.1720, 24.8800

Protanopia

69.9066, 76.5089, 24.9931

Deuteranopia

75.1323, 76.1873, 52.8652



Tritanopia

79.7995, 75.9732, 83.8572

Trichromacy

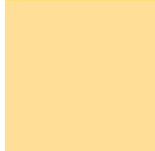


Original Color

70.8191, 76.1720, 24.8800

Protanomaly

69.9951, 76.1497, 24.9191



Deuteranomaly

73.0288, 75.7696, 40.4817



Tritanomaly

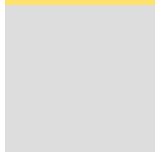
75.2232, 75.3837, 55.9332

Monochromacy



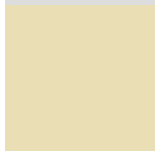
Original Color

70.8191, 76.1720, 24.8800



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.9638, 72.8615, 53.6616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8191, 76.1720, 24.8800 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, 225, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 107)  
}
```

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, 225, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 107) }
```

Border

The CSS property to change the border of an element to XYZ 70.8191, 76.1720, 24.8800 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, 225, 107) }
```


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

```
.border{ border-color:rgb(255, 225, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8191, 76.1720, 24.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 107) }
```

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

```
.background{ background-color: rgb(255,  
225, 107) }
```

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