

Converting Colors

XYZ(70.6877, 70.9557, 40.1072)

Have a look what the booklet for
XYZ(70.6877, 70.9557, 40.1072)
contains.

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Color

**XYZ(70.7840, 71.1484,
40.1393)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD599
RGB	255, 213, 153
RGB Percent	100%, 84%, 60%
CMY	0.0000, 0.1647, 0.4000
CMYK	0.00, 0.16, 0.40, 0.00
HSL	35°, 100%, 80%
HSV	35°, 40%, 100%
XYZ	70.7840, 71.1484, 40.1393
YIQ	218.7180, 44.2920, -9.7560

Conversions

Conversions Part 2

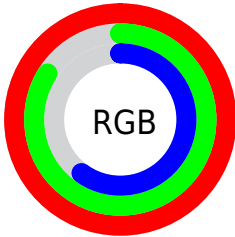
Format	Color
R _Y B	224, 255, 153
Decimal	16766361
CIE Lab	87.56, 6.85, 35.14
CIE LCh	88, 35.802, 78.976
Yxy	71.1484, 0.3888, 0.3908
Android (android.graphics.Color)	4294956441 (0xFFFFD599)
YUV	218.7180, -32.3990, 31.8193
Hunter-Lab	84.3495, 2.1811, 30.8304

Details

The XYZ color **70.7840, 71.1484, 40.1393** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.7013, 53.0206, 102.1694**, and the grayscale version is **67.3339, 70.8405, 77.1453**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **37.6018, 37.2636, 17.5227** is the 20% darker color. If you saturate the color by 10%, you get **66.3434, 65.2853, 29.3553**, and if you desaturate by 10%, it is **75.8492, 77.5402, 53.3533**.

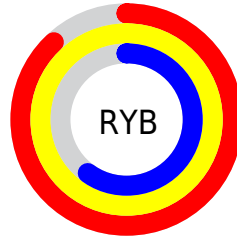
Distribution



Red (100%)

Green (84%)

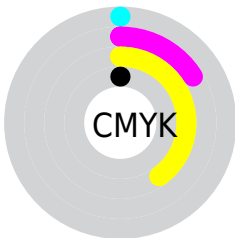
Blue (60%)



Red (88%)

Yellow (100%)

Blue (60%)

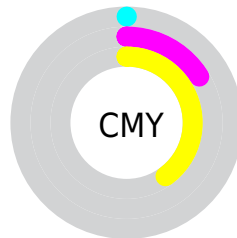


Cyan (0%)

Magenta (16%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7840, 71.1484, 40.1393 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 70.7840, 71.1484, 40.1393 by changing the saturation by 10% instead.

 70.7840, 71.1484,
40.1393


 70.7840, 71.1484,
40.1393


452.5216,
464.5720, 362.2799

 52.4478, 52.4633,
27.3326


 119.3463,
120.8450, 76.6150

 37.5879, 37.3745,
17.5885


 150.3032,
152.6253, 101.1210

 25.8387, 25.4976,
10.4886


186.1976,
189.5395, 130.3639

 16.8351, 16.4482,
5.6143

227.3951,
231.9719, 164.7622

 10.2116, 9.8418,
2.5470

274.2608,
280.3070, 204.7344

 5.6028, 5.2942,
0.8649

327.1603,

 2.6434, 2.4209,

334.9291, 250.6990

0.0000

386.4587,
396.2226, 303.0747

■ 0.9681, 0.8366,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.7840, 71.1484,
40.1393

■ 70.7840, 71.1484,
40.1393

■ 66.3434, 65.2853,
29.3553

■ 75.8492, 77.5402,
53.3533

■ 62.4900, 59.9227,
20.8436

■ 81.5631, 84.4674,
69.1330

■ 59.1899, 55.0447,
14.4344

■ 87.9550, 91.9492,
87.6090

■ 56.4028, 50.6295,
9.9319

95.0499, 100.0000,
108.9000

■ 54.0809, 46.6525,
7.1028

■ 52.1487, 43.0775,
5.5663

■ 52.1486, 43.0772,
5.5662

Harmonies

Analogous

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



78.8771, 71.1484, 47.3614



70.7840, 71.1484, 40.1393



62.4702, 71.1484, 41.2279

Triad

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



70.7840, 71.1484, 40.1393



53.3745, 71.1484, 93.6311



80.6582, 71.1484, 112.2591

Complementary

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



70.7840, 71.1484, 40.1393



50.7013, 53.0206, 102.1694

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.



73.0546, 71.1484, 130.4218



70.7840, 71.1484, 40.1393



57.4963, 71.1484, 118.2125

Square

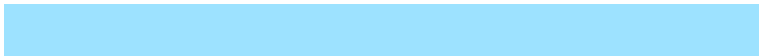
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7840, 71.1484, 40.1393



52.8773, 71.1484, 68.8944



64.5603, 71.1484, 132.8030



84.8863, 71.1484, 86.7260

Rectangle

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



70.7840, 71.1484, 40.1393



57.8973, 71.1484, 46.5941



64.5603, 71.1484, 132.8030



78.3842, 71.1484, 119.6378

Sweetspot

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



70.7858, 71.1517, 40.1407



86.6207, 90.4072, 83.6907



62.5386, 48.0060, 57.8973



18.3572, 19.1380, 17.3786



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.



70.7858, 71.1517, 40.1407



67.1835, 66.4172, 31.3245



79.6916, 93.5032, 43.9856



18.8976, 19.7633, 18.9630



27.3995, 22.8102, 2.9587



2.7755, 2.4363, 0.3240

Inverse Universe

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



50.7013, 53.0206, 102.1694



44.5919, 46.0382, 101.1438



44.2408, 37.6325, 99.5396



17.6172, 18.6061, 22.9127



12.2087, 9.3270, 50.5914



1.2932, 1.1171, 4.9607

Previews

White Background



This preview shows how the XYZ color 70.7840, 71.1484, 40.1393 looks on a white background.

Color Contrast Check

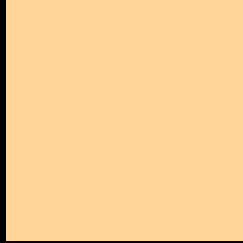
Large Text (above 18pt) WCAG AA × Fail

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 70.7840, 71.1484, 40.1393 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 70.7840, 71.1484, 40.1393

Background



This preview shows how black text looks on a background with the XYZ color 70.7840, 71.1484, 40.1393.



This preview shows how white text looks on a background with the XYZ color 70.7840, 71.1484,

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

70.7840, 71.1484, 40.1393

Protanopia

66.2573, 71.0679, 41.6778

Deuteranopia

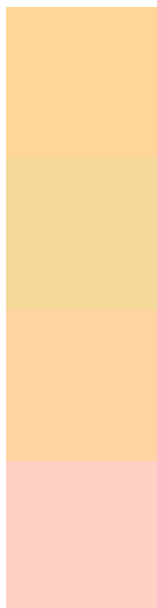
71.7585, 71.1370, 46.5079



Tritanopia

76.4711, 71.0530, 77.3943

Trichromacy



Original Color

70.7840, 71.1484, 40.1393

Protanomaly

68.0375, 71.2254, 41.1723

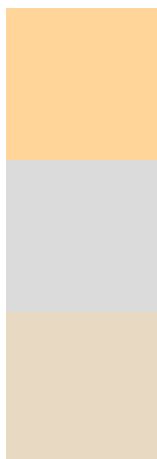
Deuteranomaly

71.3051, 70.9556, 44.1200

Tritanomaly

74.0043, 70.8465, 61.9988

Monochromacy



Original Color

70.7840, 71.1484, 40.1393

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.9419, 70.7216, 61.6995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7840, 71.1484, 40.1393 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, 213, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 153)  
}
```

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, 213, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 153) }
```

Border

The CSS property to change the border of an element to XYZ 70.7840, 71.1484, 40.1393 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, 213, 153) }
```


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

```
.border{ border-color:rgb(255, 213, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 213, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7840, 71.1484, 40.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 153) }
```

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

```
.background{ background-color: rgb(255,  
213, 153) }
```

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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