

Converting Colors

XYZ(74.6433, 77.1289, 46.7839)

Have a look what the booklet for
XYZ(74.6433, 77.1289, 46.7839)
contains.

XYZ(74.6872, 77.2879, 46.5789)	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(74.6872, 77.2879,
46.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE0A5
RGB	255, 224, 165
RGB Percent	100%, 88%, 65%
CMY	0.0000, 0.1215, 0.3529
CMYK	0.00, 0.12, 0.35, 0.00
HSL	39°, 100%, 82%
HSV	39°, 35%, 100%
XYZ	74.6872, 77.2879, 46.5789
YIQ	226.5430, 37.4150, -11.7770

Conversions

Conversions Part 2

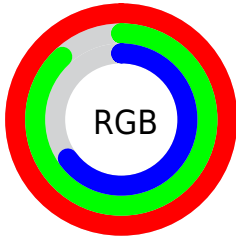
Format	Color
R _Y B	212, 255, 165
Decimal	16769189
CIE Lab	90.45, 2.54, 32.84
CIE LCh	90, 32.942, 85.575
Yxy	77.2879, 0.3762, 0.3893
Android (android.graphics.Color)	4294959269 (0xFFFE0A5)
YUV	226.5430, -30.3407, 24.9568
Hunter-Lab	87.9135, -2.2035, 30.1261

Details

The XYZ color **74.6872, 77.2879, 46.5789** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.3064, 54.6974, 102.3559**, and the grayscale version is **72.8776, 76.6729, 83.4968**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **40.1946, 41.4385, 21.5027** is the 20% darker color. If you saturate the color by 10%, you get **70.2947, 71.8542, 34.7832**, and if you desaturate by 10%, it is **79.6682, 83.1576, 60.8555**.

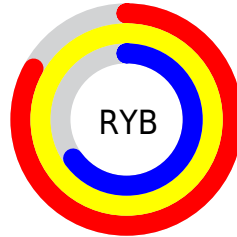
Distribution



Red (100%)

Green (88%)

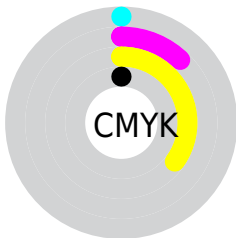
Blue (65%)



Red (83%)

Yellow (100%)

Blue (65%)

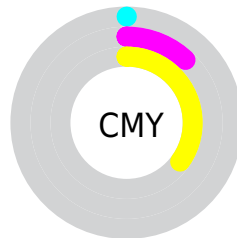


Cyan (0%)

Magenta (12%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.6872, 77.2879, 46.5789 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 74.6872, 77.2879, 46.5789 by changing the saturation by 10% instead.


 74.6872, 77.2879,
46.5789


 74.6872, 77.2879,
46.5789


465.8555,
485.7451, 389.4761

 55.6499, 57.4892,
32.3509


 124.8598,
129.5458, 86.4281

 40.1582, 41.3981,
21.3626


 156.7258,
162.7738, 112.8864

 27.8467, 28.6303,
13.1955


193.5987,
201.2470, 144.2586

 18.3500, 18.8013,
7.4310

235.8440,
245.3498, 180.9631

 11.3028, 11.5268,
3.6506

283.8270,
295.4666, 223.4186

 6.3396, 6.4224,
1.4357

337.9130,

 3.0953, 3.1036,

351.9818, 272.0436

0.1693

398.4674,
415.2799, 327.2566

■ 1.2044, 1.1860,
0.0000

■ 0.1098, 0.0503,
0.0000

■ 74.6872, 77.2879,
46.5789

■ 74.6872, 77.2879,
46.5789

■ 70.2947, 71.8542,
34.7832

■ 79.6682, 83.1576,
60.8555

■ 66.4555, 66.8312,
25.3173

■ 85.2592, 89.4665,
77.7422

■ 63.1391, 62.2064,
18.0212

■ 91.4873, 96.2308,
97.3653

■ 60.3090, 57.9623,
12.7121

95.0500, 100.0000,
108.9000

■ 57.9229, 54.0788,
9.1773

■ 55.9291, 50.5319,
7.1537

■ 55.0922, 48.9645,
6.5474

Harmonies

Analogous

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



82.7720, 77.2879, 52.0377



74.6872, 77.2879, 46.5789



66.8393, 77.2879, 49.5415

Triad

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



74.6872, 77.2879, 46.5789



60.0928, 77.2879, 105.2689



87.2986, 77.2879, 112.4559

Complementary

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



74.6872, 77.2879, 46.5789



53.3064, 54.6974, 102.3559

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.



80.5038, 77.2879, 131.9990



74.6872, 77.2879, 46.5789



64.8737, 77.2879, 127.3359

Square

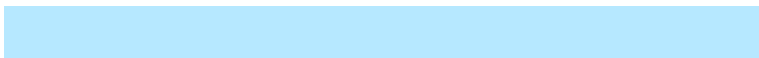
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6872, 77.2879, 46.5789



58.7877, 77.2879, 80.7059



72.2460, 77.2879, 137.8960



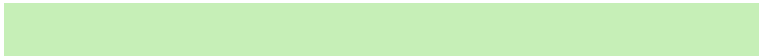
90.3901, 77.2879, 87.6977

Rectangle

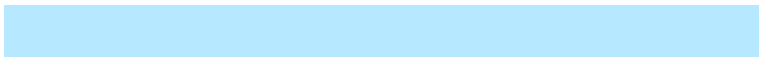
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6872, 77.2879, 46.5789



62.7300, 77.2879, 56.2544



72.2460, 77.2879, 137.8960



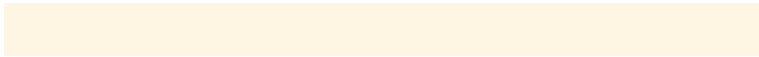
85.3483, 77.2879, 120.0215

Sweetspot

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



74.6891, 77.2914, 46.5805



87.8536, 92.3141, 85.8249



64.7165, 52.1794, 59.1849



18.6262, 19.5646, 17.8119



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.



74.6891, 77.2914, 46.5805



71.6791, 73.5984, 38.4035



78.9984, 93.0256, 49.3904



19.0037, 19.9756, 18.9984



28.9315, 25.8743, 3.4694



2.9189, 2.7231, 0.3718

Inverse Universe

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



53.3064, 54.6974, 102.3559



47.5483, 48.1139, 101.3886



49.9809, 43.6554, 100.3998



17.5144, 18.4005, 22.8785



11.3717, 7.6530, 50.3124



1.2043, 0.9394, 4.9311

Previews

White Background



This preview shows how the XYZ color 74.6872, 77.2879, 46.5789 looks on a white background.

Color Contrast Check

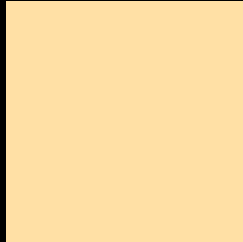
Large Text (above 18pt) WCAG AA × Fail

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 74.6872, 77.2879, 46.5789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

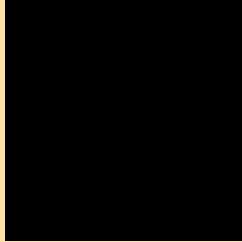
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.6872, 77.2879, 46.5789

Background



This preview shows how black text looks on a background with the XYZ color 74.6872, 77.2879, 46.5789.



This preview shows how white text looks on a background with the XYZ color 74.6872, 77.2879,

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

74.6872, 77.2879, 46.5789

Protanopia

72.3746, 77.6893, 47.7402

Deuteranopia

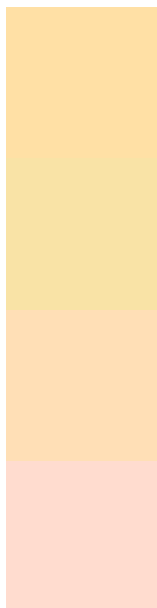
76.8757, 77.3083, 60.7394



Tritanopia

80.7352, 77.1723, 86.2418

Trichromacy



Original Color

74.6872, 77.2879, 46.5789

Protanomaly

73.4189, 77.8311, 47.2297

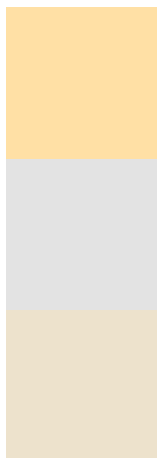
Deuteranomaly

76.0712, 77.4128, 55.1887

Tritanomaly

78.0957, 76.9514, 69.7685

Monochromacy



Original Color

74.6872, 77.2879, 46.5789

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

73.0205, 76.7569, 68.0937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6872, 77.2879, 46.5789 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, 224, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 165)  
}
```

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, 224, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 165) }
```

Border

The CSS property to change the border of an element to XYZ 74.6872, 77.2879, 46.5789 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, 224, 165) }
```


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

```
.border{ border-color:rgb(255, 224, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6872, 77.2879, 46.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 165) }
```

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

```
.background{ background-color: rgb(255,  
224, 165) }
```

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