

Converting Colors

XYZ(75.0220, 74.8445, 32.6472)

Have a look what the booklet for
XYZ(75.0220, 74.8445, 32.6472)
contains.

XYZ(70.2865, 72.5792, 32.4950)	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(70.2865, 72.5792,
32.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD985
RGB	255, 217, 133
RGB Percent	100%, 85%, 52%
CMY	0.0000, 0.1490, 0.4784
CMYK	0.00, 0.15, 0.48, 0.00
HSL	41°, 100%, 76%
HSV	41°, 48%, 100%
XYZ	70.2865, 72.5792, 32.4950
YIQ	218.7860, 49.6120, -18.0680

Conversions

Conversions Part 2

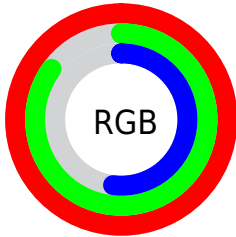
Format	Color
R _Y B	188, 255, 133
Decimal	16767365
CIE Lab	88.25, 2.81, 46.08
CIE LCh	88, 46.167, 86.511
Yxy	72.5792, 0.4008, 0.4139
Android (android.graphics.Color)	4294957445 (0xFFFFD985)
YUV	218.7860, -42.2925, 31.7597
Hunter-Lab	85.1934, -1.8220, 37.0206

Details

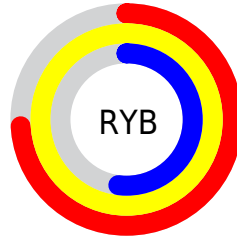
The XYZ color **70.2865, 72.5792, 32.4950** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.2852, 41.3308, 100.3564**, and the grayscale version is **67.4450, 70.9574, 77.2726**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **37.1705, 38.1705, 13.1931** is the 20% darker color. If you saturate the color by 10%, you get **66.7367, 67.9651, 23.6501**, and if you desaturate by 10%, it is **74.3659, 77.5682, 43.6276**.

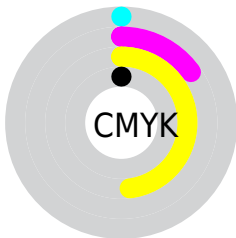
Distribution



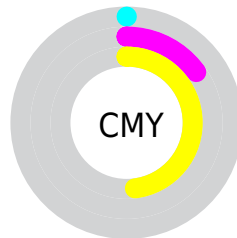
- Red (100%)
- Green (85%)
- Blue (52%)



- Red (74%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2865, 72.5792, 32.4950 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 70.2865, 72.5792, 32.4950 by changing the saturation by 10% instead.


 70.2865, 72.5792,
32.4950

 70.2865, 72.5792,
32.4950


450.8061,
469.5551, 327.9299


 52.0406, 53.6320,
21.4719


 118.6413,
122.8796, 64.6932

 37.2618, 38.3075,
13.2748


 149.4808,
155.0016, 86.7054

 25.5849, 26.2214,
7.4851


 185.2490,
192.2840, 113.2177

 16.6444, 16.9894,
3.6843

226.3111,
235.1111, 144.6487

 10.0750, 10.2269,
1.4538

273.0325,
283.8674, 181.4168

 5.5114, 5.5497,
0.1831

325.7785,

 2.5881, 2.5732,

338.9372, 223.9407

0.0000

384.9146,
400.7050, 272.6389

■ 0.9399, 0.9132,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2865, 72.5792,
32.4950

■ 70.2865, 72.5792,
32.4950

■ 66.7367, 67.9651,
23.6501

■ 74.3659, 77.5682,
43.6276

■ 63.6785, 63.7003,
16.9223

■ 78.9995, 82.9359,
57.1933

■ 61.0764, 59.7712,
12.1241

■ 84.2160, 88.6987,
73.3301

■ 58.8867, 56.1579,
9.0324

■ 90.0409, 94.8687,
92.1649

■ 57.0515, 52.8350, 95.0499, 99.9999,
7.3492 108.9000

■ 56.6842, 52.1487,
7.0781

Harmonies

Analogous

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



81.3947, 72.5792, 38.3420



70.2865, 72.5792, 32.4950



59.9217, 72.5792, 36.0990

Triad

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



70.2865, 72.5792, 32.4950



51.6527, 72.5792, 109.4444



88.2807, 72.5792, 117.6150

Complementary

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



70.2865, 72.5792, 32.4950



42.2852, 41.3308, 100.3564

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.



78.9176, 72.5792, 147.0046



70.2865, 72.5792, 32.4950



57.9043, 72.5792, 141.4700

Square

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



70.2865, 72.5792, 32.4950



49.8627, 72.5792, 75.3780



67.6984, 72.5792, 156.7258



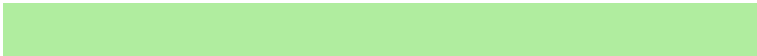
92.4592, 72.5792, 82.7907

Rectangle

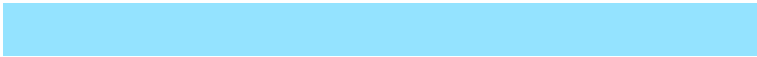
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2865, 72.5792, 32.4950



54.6791, 72.5792, 44.0886



67.6984, 72.5792, 156.7258



85.5895, 72.5792, 128.7816

Sweetspot

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



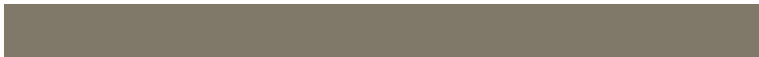
70.2883, 72.5826, 32.4965



86.3810, 91.0207, 80.2411



57.0391, 41.0002, 43.7537



18.2265, 19.2015, 16.3336



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.



70.2883, 72.5826, 32.4965



67.0165, 68.3403, 24.3110



73.4784, 90.4753, 35.7820



19.0560, 20.0802, 19.0158



29.7581, 27.5274, 3.7449



2.9950, 2.8753, 0.3971

Inverse Universe

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



42.2852, 41.3308, 100.3564



36.1442, 33.9272, 99.2513



40.0262, 31.0008, 98.4816



17.4645, 18.3005, 22.8618



11.0244, 6.9584, 50.1966



1.1659, 0.8625, 4.9183

Previews

White Background



This preview shows how the XYZ color 70.2865, 72.5792, 32.4950 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 70.2865, 72.5792, 32.4950 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 70.2865, 72.5792, 32.4950

Background



This preview shows how black text looks on a background with the XYZ color 70.2865, 72.5792, 32.4950.



This preview shows how white text looks on a background with the XYZ color 70.2865, 72.5792,

32.4950.

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

70.2865, 72.5792, 32.4950

Protanopia

67.1124, 72.8691, 33.4496

Deuteranopia

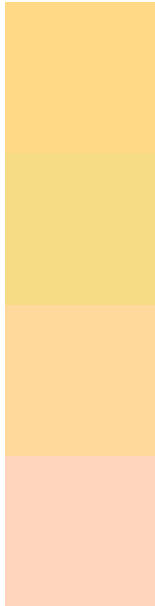
72.6083, 72.6880, 47.2491



Tritanopia

77.4714, 72.6271, 79.0425

Trichromacy



Original Color

70.2865, 72.5792, 32.4950

Protanomaly

68.2540, 72.6818, 32.9859

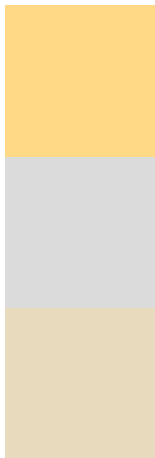
Deuteranomaly

71.7123, 72.7383, 41.2706

Tritanomaly

74.3285, 72.5662, 58.8043

Monochromacy



Original Color

70.2865, 72.5792, 32.4950

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4272, 70.9295, 57.7139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2865, 72.5792, 32.4950 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, 217, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 133)  
}
```

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, 217, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 133) }
```

Border

The CSS property to change the border of an element to XYZ 70.2865, 72.5792, 32.4950 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, 217, 133) }
```


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

```
.border{ border-color:rgb(255, 217, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2865, 72.5792, 32.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 133) }
```

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

```
.background{ background-color: rgb(255,  
217, 133) }
```

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