

Converting Colors

XYZ(89.6725, 79.6611, 41.8886)

Have a look what the booklet for
XYZ(89.6725, 79.6611, 41.8886)
contains.

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Color

**XYZ(70.2873, 69.7535,
41.2117)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD29C
RGB	255, 210, 156
RGB Percent	100%, 82%, 61%
CMY	0.0000, 0.1764, 0.3882
CMYK	0.00, 0.18, 0.39, 0.00
HSL	33°, 100%, 81%
HSV	33°, 39%, 100%
XYZ	70.2873, 69.7535, 41.2117
YIQ	217.2990, 44.1540, -7.2540

Conversions

Conversions Part 2

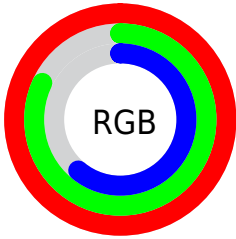
Format	Color
RYB	239, 255, 156
Decimal	16765596
CIELab	86.88, 8.72, 32.70
CIELCh	87, 33.843, 75.069
Yxy	69.7535, 0.3878, 0.3848
Android (android.graphics.Color)	4294955676 (0xFFFFD29C)
YUV	217.2990, -30.2204, 33.0638
Hunter-Lab	83.5186, 4.0640, 29.2067

Details

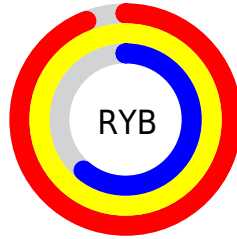
The XYZ color **70.2873, 69.7535, 41.2117** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.6461, 56.0591, 102.6533**, and the grayscale version is **66.3396, 69.7944, 76.0062**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **37.4131, 36.6467, 18.1983** is the 20% darker color. If you saturate the color by 10%, you get **65.5925, 63.4643, 30.0889**, and if you desaturate by 10%, it is **75.6461, 76.6450, 54.7935**.

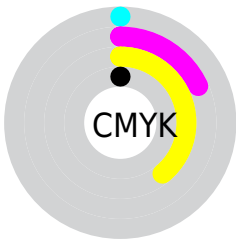
Distribution



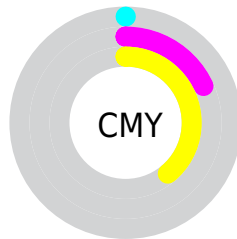
- Red (100%)
- Green (82%)
- Blue (61%)



- Red (94%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (18%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2873, 69.7535, 41.2117 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 70.2873, 69.7535, 41.2117 by changing the saturation by 10% instead.


 70.2873, 69.7535,
41.2117


 70.2873, 69.7535,
41.2117


450.8088,
459.6840, 366.9074

 52.0412, 51.3256,
28.1636


 118.6424,
118.8572, 78.2623

 37.2623, 36.4678,
18.2089


 149.4822,
150.3017, 103.1019

 25.5853, 24.7957,
10.9291


185.2505,
186.8539, 132.7091

 16.6447, 15.9249,
5.9056

226.3128,
228.8982, 167.5024

 10.0752, 9.4710,
2.7199

273.0345,
276.8190, 207.9003

 5.5115, 5.0497,
0.9534

325.7808,

 2.5882, 2.2764,

331.0006, 254.3214

0.0000

384.9171,
391.8275, 307.1843

■ 0.9399, 0.7612,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2873, 69.7535,
41.2117

■ 70.2873, 69.7535,
41.2117

■ 65.5925, 63.4643,
30.0889

■ 75.6461, 76.6450,
54.7935

■ 61.5236, 57.7476,
21.2689

■ 81.6941, 84.1479,
70.9691

■ 58.0460, 52.5847,
14.5838

■ 88.4611, 92.2833,
89.8683

■ 55.1186, 47.9518,
9.8408

95.0499, 100.0000,
108.9000

■ 52.6935, 43.8221,
6.8116

■ 50.7033, 40.1604,
5.1656

■ 50.4879, 39.7559,
5.0126

Harmonies

Analogous

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



77.6079, 69.7535, 49.1421



70.2873, 69.7535, 41.2117



62.4299, 69.7535, 41.2297

Triad

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



70.2873, 69.7535, 41.2117



52.6943, 69.7535, 87.8220



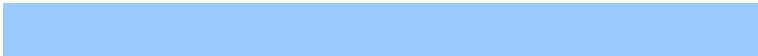
77.6365, 69.7535, 110.9772

Complementary

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



70.2873, 69.7535, 41.2117



52.6461, 56.0591, 102.6533

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.



70.3239, 69.7535, 126.1385



70.2873, 69.7535, 41.2117



56.1451, 69.7535, 111.0722

Square

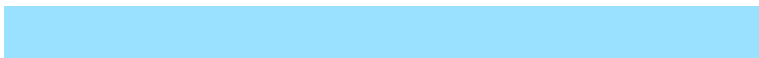
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2873, 69.7535, 41.2117



52.6862, 69.7535, 65.2898



62.4637, 69.7535, 126.1764



82.0743, 69.7535, 87.7110

Rectangle

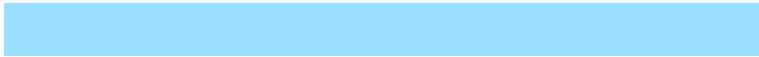
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2873, 69.7535, 41.2117



57.9537, 69.7535, 45.6350



62.4637, 69.7535, 126.1764



75.4084, 69.7535, 117.3778

Sweetspot

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



70.2891, 69.7568, 41.2131



86.2316, 89.6291, 83.5610



63.8132, 49.3113, 62.1566



18.2655, 18.9548, 17.3481



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.



70.2891, 69.7568, 41.2131



66.4009, 64.5679, 31.9402



81.7971, 94.5597, 45.3940



18.8306, 19.6294, 18.9407



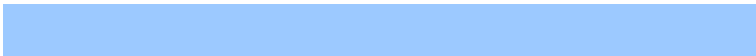
26.5323, 21.0759, 2.6696



2.6926, 2.2706, 0.2963

Inverse Universe

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



52.6461, 56.0591, 102.6533



46.3971, 49.0459, 101.6292



44.2968, 38.3994, 99.6847



17.6830, 18.7376, 22.9347



12.8333, 10.5761, 50.7996



1.3570, 1.2448, 4.9820

Previews

White Background



This preview shows how the XYZ color 70.2873, 69.7535, 41.2117 looks on a white background.

Color Contrast Check

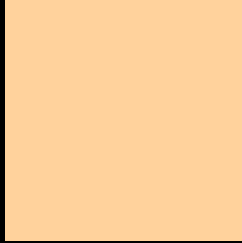
Large Text (above 18pt) WCAG AA × Fail

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 70.2873, 69.7535, 41.2117 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 70.2873, 69.7535, 41.2117

Background



This preview shows how black text looks on a background with the XYZ color 70.2873, 69.7535, 41.2117.



This preview shows how white text looks on a background with the XYZ color 70.2873, 69.7535,

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

70.2873, 69.7535, 41.2117

Protanopia

65.2611, 70.1384, 42.8993

Deuteranopia

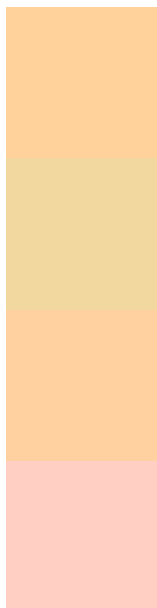
70.6513, 69.5053, 44.3425



Tritanopia

75.7262, 69.9846, 75.8468

Trichromacy



Original Color

70.2873, 69.7535, 41.2117

Protanomaly

67.0899, 69.9467, 42.3128

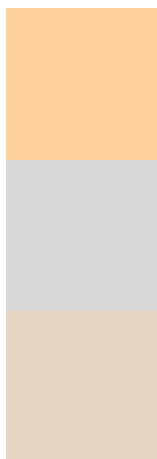
Deuteranomaly

70.3856, 69.3990, 42.9433

Tritanomaly

73.4032, 69.8258, 61.2387

Monochromacy



Original Color

70.2873, 69.7535, 41.2117

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.8519, 69.0222, 61.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2873, 69.7535, 41.2117 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, 210, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 156)  
}
```

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, 210, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 156) }
```

Border

The CSS property to change the border of an element to XYZ 70.2873, 69.7535, 41.2117 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, 210, 156) }
```


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

```
.border{ border-color:rgb(255, 210, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2873, 69.7535, 41.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 156) }
```

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

```
.background{ background-color: rgb(255,  
210, 156) }
```

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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