

Converting Colors

XYZ(89.3642, 81.5514, 47.1593)

Have a look what the booklet for
XYZ(89.3642, 81.5514, 47.1593)
contains.

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Color

**XYZ(72.6788, 73.1249,
46.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD8A6
RGB	255, 216, 166
RGB Percent	100%, 85%, 65%
CMY	0.0000, 0.1529, 0.3490
CMYK	0.00, 0.15, 0.35, 0.00
HSL	34°, 100%, 83%
HSV	34°, 35%, 100%
XYZ	72.6788, 73.1249, 46.3603
YIQ	221.9610, 39.2940, -7.2820

Conversions

Conversions Part 2

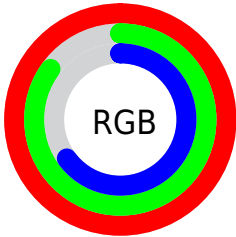
Format	Color
R_{YB}	235, 255, 166
Decimal	16767142
CIE _{Lab}	88.51, 6.76, 29.72
CIE _{LCh}	89, 30.482, 77.189
Yxy	73.1249, 0.3782, 0.3805
Android (android.graphics.Color)	4294957222 (0xFFFFD8A6)
YUV	221.9610, -27.5888, 28.9752
Hunter-Lab	85.5131, 2.0618, 27.7155

Details

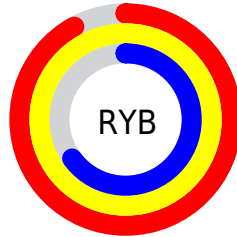
The XYZ color **72.6788, 73.1249, 46.3603** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.6065, 58.9877, 103.0627**, and the grayscale version is **69.5744, 73.1977, 79.7123**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **38.8081, 38.5750, 21.3199** is the 20% darker color. If you saturate the color by 10%, you get **67.8023, 66.7515, 34.3162**, and if you desaturate by 10%, it is **78.2174, 80.0799, 60.9148**.

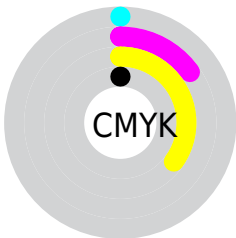
Distribution



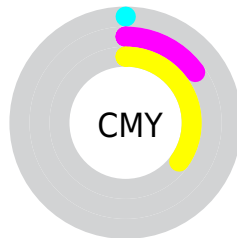
- Red (100%)
- Green (85%)
- Blue (65%)



- Red (92%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (15%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6788, 73.1249, 46.3603 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 72.6788, 73.1249, 46.3603 by changing the saturation by 10% instead.


 72.6788, 73.1249,
46.3603


 72.6788, 73.1249,
46.3603

459.0219,
471.4476, 388.5749

 54.0008, 54.0781,
32.1795


 122.0267,
123.6545, 86.0979

 38.8330, 38.6641,
21.2327


 153.4273,
155.9061, 112.4918

 26.8100, 26.4985,
13.1013


189.7995,
193.3281, 143.7939

 17.5664, 17.1970,
7.3668

231.5087,
236.3048, 180.4226

 10.7369, 10.3750,
3.6106

278.9202,
285.2208, 222.7965

 5.9562, 5.6483,
1.4143

332.3993,

 2.8589, 2.6324,

340.4603, 271.3342

0.1528

392.3114,
402.4078, 326.4541

■ 1.0796, 0.9430,
0.0000

■ 0.0079, 0.0000,
0.0000

■ 72.6788, 73.1249,
46.3603

■ 72.6788, 73.1249,
46.3603

■ 67.8023, 66.7515,
34.3162

■ 78.2174, 80.0799,
60.9148

■ 63.5511, 60.9308,
24.6316

■ 84.4416, 87.6238,
78.1095

■ 59.8926, 55.6462,
17.1462

■ 91.3804, 95.7768,
98.0707

■ 56.7882, 50.8756,
11.6777

95.0500, 100.0000,
108.9000

■ 54.1937, 46.5947,
8.0138

■ 52.0555, 42.7748,
5.8936

■ 51.1037, 40.9874,
5.2179

Harmonies

Analogous

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



79.5393, 73.1249, 53.5035



72.6788, 73.1249, 46.3603



65.4161, 73.1249, 46.9196

Triad

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



72.6788, 73.1249, 46.3603



56.8763, 73.1249, 92.1693



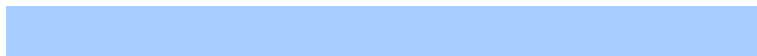
80.3761, 73.1249, 110.3597

Complementary

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



72.6788, 73.1249, 46.3603



55.6065, 58.9877, 103.0627

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.



73.7567, 73.1249, 124.7995



72.6788, 73.1249, 46.3603



60.3486, 73.1249, 113.0955

Square

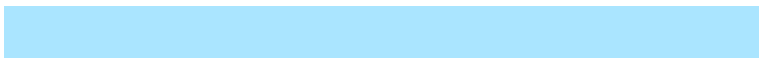
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6788, 73.1249, 46.3603



56.6326, 73.1249, 70.9924



66.4211, 73.1249, 125.8807



84.1891, 73.1249, 88.9210

Rectangle

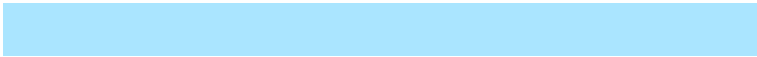
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6788, 73.1249, 46.3603



61.3186, 73.1249, 51.5727



66.4211, 73.1249, 125.8807



78.3851, 73.1249, 116.3454

Sweetspot

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



72.6806, 73.1283, 46.3618



87.7516, 91.5427, 87.5398



66.0233, 52.9918, 65.1737



18.5755, 19.3502, 18.1436



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.



72.6806, 73.1283, 46.3618



69.1516, 68.5434, 37.5610



82.2649, 94.6990, 50.0202



18.8561, 19.6805, 18.9492



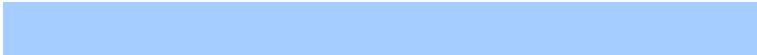
26.8541, 21.7195, 2.7769



2.7235, 2.3324, 0.3067

Inverse Universe

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



55.6065, 58.9877, 103.0627



49.7205, 52.4583, 102.1127



48.3620, 43.0896, 100.3759



17.6578, 18.6873, 22.9263



12.5859, 10.0813, 50.7171



1.3319, 1.1946, 4.9736

Previews

White Background



This preview shows how the XYZ color 72.6788, 73.1249, 46.3603 looks on a white background.

Color Contrast Check

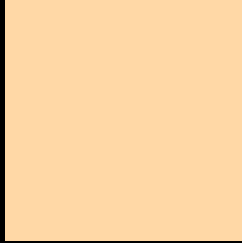
Large Text (above 18pt) WCAG AA × Fail

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 72.6788, 73.1249, 46.3603 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 72.6788, 73.1249, 46.3603

Background



This preview shows how black text looks on a background with the XYZ color 72.6788, 73.1249, 46.3603.



This preview shows how white text looks on a background with the XYZ color 72.6788, 73.1249,

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

72.6788, 73.1249, 46.3603

Protanopia

68.5426, 73.2843, 48.0688

Deuteranopia

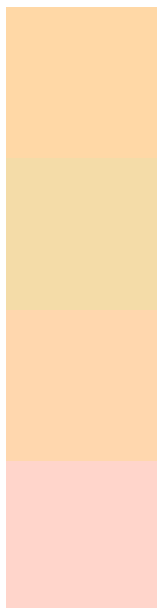
73.6771, 73.1156, 52.8773



Tritanopia

77.9888, 73.2303, 80.5454

Trichromacy



Original Color

72.6788, 73.1249, 46.3603

Protanomaly

69.9693, 73.2466, 47.4960

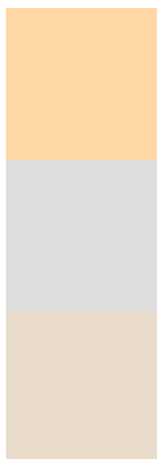
Deuteranomaly

73.1804, 72.9169, 50.2617

Tritanomaly

75.8137, 73.1603, 66.6254

Monochromacy



Original Color

72.6788, 73.1249, 46.3603

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

70.1856, 72.9431, 66.2574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6788, 73.1249, 46.3603 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, 216, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 166)  
}
```

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, 216, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 166) }
```

Border

The CSS property to change the border of an element to XYZ 72.6788, 73.1249, 46.3603 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, 216, 166) }
```


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

```
.border{ border-color:rgb(255, 216, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6788, 73.1249, 46.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 166) }
```

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

```
.background{ background-color: rgb(255,  
216, 166) }
```

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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