

Converting Colors

XYZ(118.1198, 100.0000,
39.2242)

Have a look what the booklet for
XYZ(118.1198, 100.0000, 39.2242)
contains.

XYZ(72.8536, 76.5545, 36.9233)	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(72.8536, 76.5545,
36.9233)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE08F
RGB	255, 224, 143
RGB Percent	100%, 88%, 56%
CMY	0.0000, 0.1215, 0.4392
CMYK	0.00, 0.12, 0.44, 0.00
HSL	43°, 100%, 78%
HSV	43°, 44%, 100%
XYZ	72.8536, 76.5545, 36.9233
YIQ	224.0350, 44.4770, -18.6190

Conversions

Conversions Part 2

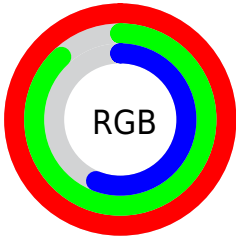
Format	Color
R_{YB}	186, 255, 143
Decimal	16769167
CIE _{Lab}	90.12, 0.19, 43.49
CIE _{LCh}	90, 43.491, 89.749
Y _{xy}	76.5545, 0.3910, 0.4109
Android (android.graphics.Color)	4294959247 (0xFFFFE08F)
Y _{UV}	224.0350, -39.9503, 27.1563
Hunter-Lab	87.4954, -4.4879, 36.2263

Details

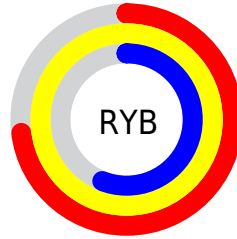
The XYZ color **72.8536, 76.5545, 36.9233** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **44.5133, 43.3303, 100.6251**, and the grayscale version is **71.1325, 74.8370, 81.4975**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **38.8412, 40.8670, 15.7385** is the 20% darker color. If you saturate the color by 10%, you get **69.2804, 72.1561, 27.2610**, and if you desaturate by 10%, it is **76.9484, 81.2931, 48.9272**.

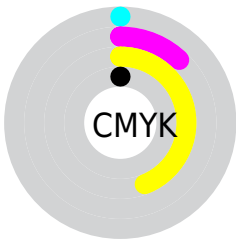
Distribution



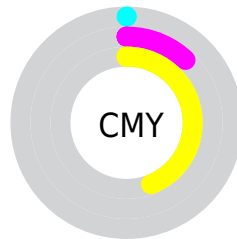
- Red (100%)
- Green (88%)
- Blue (56%)



- Red (73%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (12%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8536, 76.5545, 36.9233 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 72.8536, 76.5545, 36.9233 by changing the saturation by 10% instead.


 72.8536, 76.5545,
36.9233

 72.8536, 76.5545,
36.9233


459.6189,
483.2437, 348.1370

 54.1442, 56.8873,
24.8528


 122.2736,
128.5104, 71.6398

 38.9481, 40.9148,
15.7494


 153.7149,
161.5679, 95.1229

 26.8999, 28.2525,
9.1946


190.1310,
199.8577, 123.2473

 17.6343, 18.5161,
4.7698

231.8870,
243.7641, 156.4314

 10.7858, 11.3211,
2.0564

279.3485,
293.6715, 195.0939

 5.9892, 6.2833,
0.5897

332.8807,

 2.8791, 3.0181,

349.9643, 239.6534

0.0000

392.8491,
413.0269, 290.5282

■ 1.0902, 1.1412,
0.0000

■ 0.0169, 0.0129,
0.0000

■ 72.8536, 76.5545,
36.9233

■ 72.8536, 76.5545,
36.9233

■ 69.2804, 72.1561,
27.2610

■ 76.9484, 81.2931,
48.9272

■ 66.1921, 68.0732,
19.7765

■ 81.5873, 86.3740,
63.4121

■ 63.5556, 64.2940,
14.2925

■ 86.7982, 91.8126,
80.5120

■ 61.3306, 60.8008,
10.6013

■ 92.6054, 97.6201,
100.3498

■ 59.4679, 57.5722, 95.0499, 100.0000,
8.4492 108.9000

■ 58.4706, 55.7213,
7.6735

Harmonies

Analogous

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



83.7279, 76.5545, 41.8290



72.8536, 76.5545, 36.9233



62.9420, 76.5545, 41.6650

Triad

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



72.8536, 76.5545, 36.9233



56.1894, 76.5545, 116.4662



92.2049, 76.5545, 117.0301

Complementary

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



72.8536, 76.5545, 36.9233



44.5133, 43.3303, 100.6251

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.



83.5553, 76.5545, 146.3462



72.8536, 76.5545, 36.9233



62.7994, 76.5545, 145.9680

Square

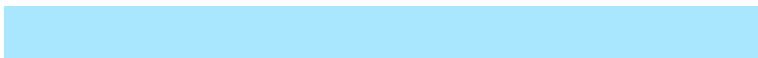
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8536, 76.5545, 36.9233



53.9184, 76.5545, 83.0950



72.6720, 76.5545, 158.0454



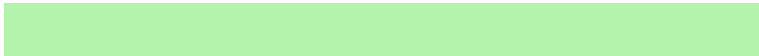
95.5540, 76.5545, 83.6152

Rectangle

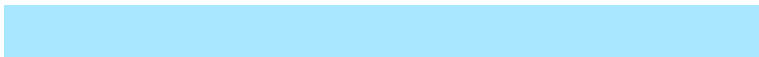
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8536, 76.5545, 36.9233



58.0434, 76.5545, 50.5444



72.6720, 76.5545, 158.0454



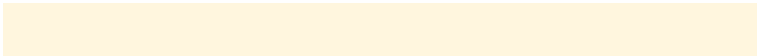
89.7812, 76.5545, 127.9634

Sweetspot

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



72.8555, 76.5581, 36.9249



87.3077, 92.3318, 82.2221



58.7746, 43.9904, 45.8144



18.4279, 19.4976, 16.7297



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.



72.8555, 76.5581, 36.9249



69.5888, 72.5479, 28.0570



73.5872, 90.4478, 39.5673



19.1113, 20.1908, 19.0343



30.6840, 29.3792, 4.0535



3.0794, 3.0441, 0.4253

Inverse Universe

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



44.5133, 43.3303, 100.6251



37.8743, 35.4011, 99.4446



43.8659, 35.1104, 99.0726



17.4121, 18.1958, 22.8444



10.7012, 6.3120, 50.0889



1.1289, 0.7884, 4.9060

Previews

White Background



This preview shows how the XYZ color 72.8536, 76.5545, 36.9233 looks on a white background.

Color Contrast Check

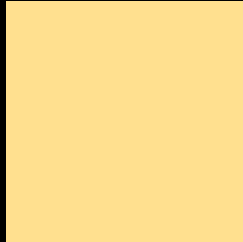
Large Text (above 18pt) WCAG AA × Fail

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 72.8536, 76.5545, 36.9233 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 72.8536, 76.5545, 36.9233

Background



This preview shows how black text looks on a background with the XYZ color 72.8536, 76.5545, 36.9233.



This preview shows how white text looks on a background with the XYZ color 72.8536, 76.5545,

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

72.8536, 76.5545, 36.9233

Protanopia

70.8609, 76.7259, 37.4604

Deuteranopia

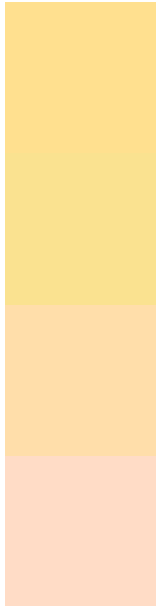
75.8534, 76.4757, 56.6623



Tritanopia

80.1957, 76.5429, 84.6762

Trichromacy



Original Color

72.8536, 76.5545, 36.9233

Protanomaly

71.6547, 76.7303, 37.4194

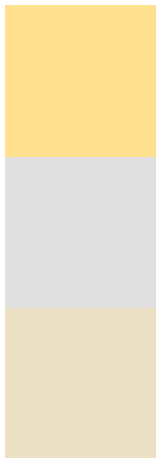
Deuteranomaly

74.6170, 76.4048, 48.8451

Tritanomaly

77.0262, 76.5236, 64.1369

Monochromacy



Original Color

72.8536, 76.5545, 36.9233

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.7669, 74.9136, 62.3597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8536, 76.5545, 36.9233 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 143) }
```

Border

The CSS property to change the border of an element to XYZ 72.8536, 76.5545, 36.9233 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, 143) }
```


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

```
.border{ border-color:rgb(255, 224, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8536, 76.5545, 36.9233 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, 143) }
```

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

```
.background{ background-color: rgb(255,  
224, 143) }
```

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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