

Converting Colors

XYZ(72.5221, 80.9326, 36.9985)

Have a look what the booklet for
XYZ(72.5221, 80.9326, 36.9985)
contains.

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Color

**XYZ(72.5221, 80.9326,
36.9985)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EB8D
RGB	246, 235, 141
RGB Percent	96%, 92%, 55%
CMY	0.0353, 0.0784, 0.4470
CMYK	0.00, 0.04, 0.43, 0.04
HSL	54°, 85%, 76%
HSV	54°, 43%, 96%
XYZ	72.5221, 80.9326, 36.9985
YIQ	227.5730, 36.7300, -26.9020

Conversions

Conversions Part 2

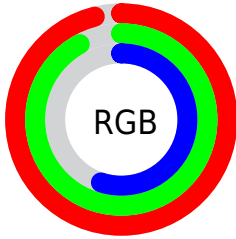
Format	Color
R _Y B	153, 246, 141
Decimal	16182157
CIE Lab	92.10, -9.06, 46.82
CIE LCh	92, 47.688, 100.956
Yxy	80.9326, 0.3808, 0.4249
Android (android.graphics.Color)	4294372237 (0xFFF6EB8D)
YUV	227.5730, -42.6805, 16.1605
Hunter-Lab	89.9625, -13.5391, 38.5898

Details

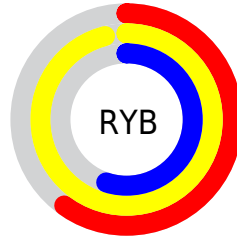
The XYZ color **72.5221, 80.9326, 36.9985** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.8471, 34.7720, 91.8529**, and the grayscale version is **73.7156, 77.5546, 84.4569**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **38.6623, 43.6528, 15.8393** is the 20% darker color. If you saturate the color by 10%, you get **70.1599, 78.8192, 28.1619**, and if you desaturate by 10%, it is **75.3055, 83.2374, 47.9830**.

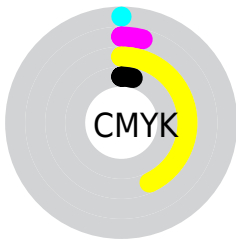
Distribution



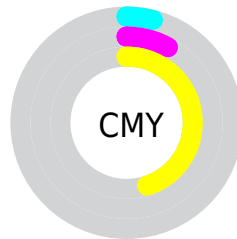
- Red (96%)
- Green (92%)
- Blue (55%)



- Red (60%)
- Yellow (96%)
- Blue (55%)



- Cyan (0%)
- Magenta (4%)
- Yellow (43%)
- Black (4%)




- Cyan (4%)
- Magenta (8%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5221, 80.9326, 36.9985 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 72.5221, 80.9326, 36.9985 by changing the saturation by 10% instead.


 72.5221, 80.9326,
36.9985


 72.5221, 80.9326,
36.9985


458.4863,
498.0702, 348.4725

 53.8723, 60.4861,
24.9106


 121.8053,
134.6761, 71.7568

 38.7298, 43.8106,
15.7920


 153.1694,
168.7419, 95.2642

 26.7294, 30.5216,
9.2243

189.5023,
208.1163, 123.4152

 17.5056, 20.2348,
4.7890

231.1694,
253.1836, 156.6283

 10.6932, 12.5659,
2.0674

278.5360,
304.3283, 195.3220

 5.9267, 7.1303,
0.5963

331.9674,

 2.8408, 3.5437,

361.9346, 239.9149

0.0000

391.8290,
426.3872, 290.8256

■ 1.0701, 1.4218,
0.0000

■ 0.0000, 0.2327,
0.0000

■ 72.5221, 80.9326,
36.9985

■ 72.5221, 80.9326,
36.9985

■ 70.1599, 78.8192,
28.1619

■ 75.3055, 83.2374,
47.9830

■ 68.1856, 76.8751,
21.3246


■ 78.5290, 85.7325,
61.2405


■ 66.5708, 75.0916,
16.3276


■ 82.2172, 88.4307,
76.8926


■ 65.2800, 73.4547,
12.9850


■ 86.3915, 91.3406,
95.0507


 64.2705, 71.9471,
11.0721

 89.5880, 93.8768,
108.0060

 63.6631, 70.9070,
10.3310

 90.3849, 95.4705,
108.2716

 91.1927, 97.0862,
108.5409

 91.8160, 98.3328,
108.7487

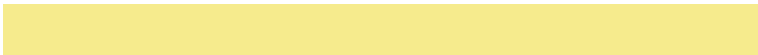
Harmonies

Analogous

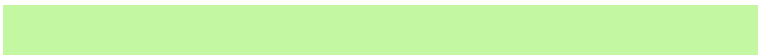
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8909, 80.9326, 38.4005



72.5221, 80.9326, 36.9985



62.4581, 80.9326, 46.2734

Triad

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



72.5221, 80.9326, 36.9985



60.4302, 80.9326, 140.3103



101.4791, 80.9326, 112.0870

Complementary

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



72.5221, 80.9326, 36.9985



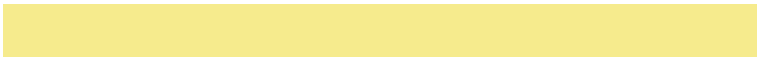
38.8471, 34.7720, 91.8529

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.



93.4670, 80.9326, 149.7121



72.5221, 80.9326, 36.9985



69.4719, 80.9326, 168.7713

Square

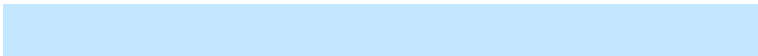
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.5221, 80.9326, 36.9985



55.9881, 80.9326, 101.6122



81.5005, 80.9326, 172.6084



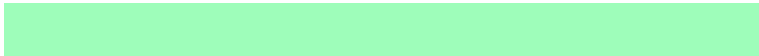
102.5198, 80.9326, 75.8817

Rectangle

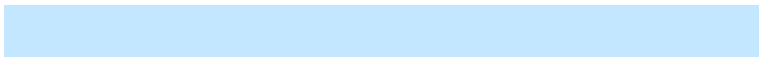
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.5221, 80.9326, 36.9985



58.0682, 80.9326, 59.1934



81.5005, 80.9326, 172.6084



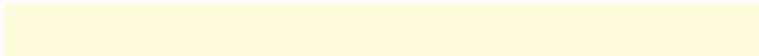
99.4747, 80.9326, 125.2086

Sweetspot

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



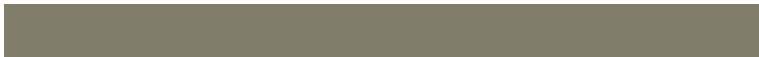
72.5241, 80.9363, 37.0002



89.0674, 95.8513, 82.8087



53.3019, 40.9516, 35.3415



18.8660, 20.3737, 16.8757



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

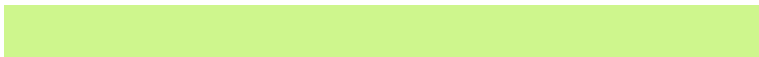
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5241, 80.9363, 37.0002



76.5074, 85.8773, 31.9289



63.1481, 80.9208, 37.4913



17.7578, 18.9997, 17.5289



34.0426, 37.9708, 5.5349



3.0338, 3.4208, 0.5004

Inverse Universe

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



38.8471, 34.7720, 91.8529



35.6701, 29.9162, 98.5021



45.2749, 35.5585, 91.6659



15.7208, 16.2058, 20.8420



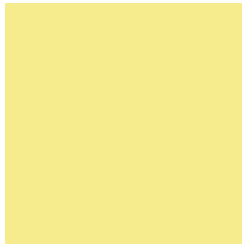
9.1201, 4.0341, 46.8360



0.8470, 0.4455, 4.1316

Previews

White Background



This preview shows how the XYZ color 72.5221, 80.9326, 36.9985 looks on a white background.

Color Contrast Check

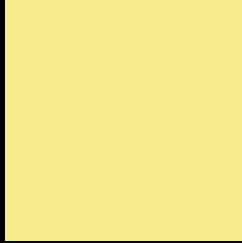
Large Text (above 18pt) WCAG AA × Fail

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 72.5221, 80.9326, 36.9985 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 72.5221, 80.9326, 36.9985

Background



This preview shows how black text looks on a background with the XYZ color 72.5221, 80.9326, 36.9985.



This preview shows how white text looks on a background with the XYZ color 72.5221, 80.9326,

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

72.5221, 80.9326, 36.9985

Protanopia

74.4633, 80.6775, 36.4586

Deuteranopia

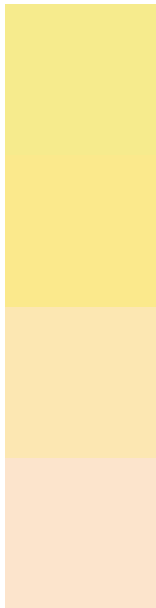
79.2922, 80.8703, 65.4632



Tritanopia

83.6238, 80.8626, 93.6387

Trichromacy



Original Color

72.5221, 80.9326, 36.9985

Protanomaly

73.6562, 80.6805, 36.5017

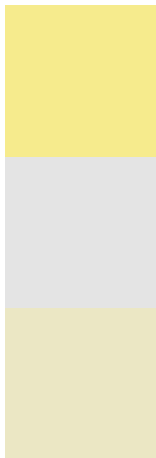
Deuteranomaly

76.7567, 81.0616, 53.7204

Tritanomaly

78.7874, 80.5419, 68.5203

Monochromacy



Original Color

72.5221, 80.9326, 36.9985

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.8007, 78.7995, 63.5974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5221, 80.9326, 36.9985 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(246, 235, 141)` looks like.

```
.text, #text, p{  
    color:rgb(246, 235, 141)  
}
```

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(246, 235, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 235, 141) }
```

Border

The CSS property to change the border of an element to XYZ 72.5221, 80.9326, 36.9985 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(246, 235, 141) }
```


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

```
.border{ border-color:rgb(246, 235, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 235, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 235, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 235, 141);  
box-shadow:4px 4px 4px 4px rgb(246, 235,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5221, 80.9326, 36.9985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 235, 141) }
```

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

```
.background{ background-color: rgb(246,  
235, 141) }
```

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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