

Converting Colors

XYZ(83.8250, 82.1219, 41.6602)

Have a look what the booklet for
XYZ(83.8250, 82.1219, 41.6602)
contains.

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Color

**XYZ(73.6454, 76.8712,
41.0931)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE099
RGB	255, 224, 153
RGB Percent	100%, 88%, 60%
CMY	0.0000, 0.1215, 0.4000
CMYK	0.00, 0.12, 0.40, 0.00
HSL	42°, 100%, 80%
HSV	42°, 40%, 100%
XYZ	73.6454, 76.8712, 41.0931
YIQ	225.1750, 41.2670, -15.5090

Conversions

Conversions Part 2

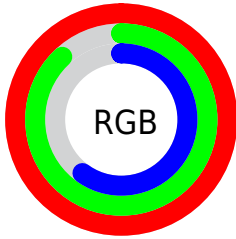
Format	Color
R _Y B	198, 255, 153
Decimal	16769177
CIE Lab	90.26, 1.21, 38.68
CIE LCh	90, 38.697, 88.205
Yxy	76.8712, 0.3844, 0.4012
Android (android.graphics.Color)	4294959257 (0xFFFFE099)
YUV	225.1750, -35.5823, 26.1565
Hunter-Lab	87.6762, -3.4987, 33.5846

Details

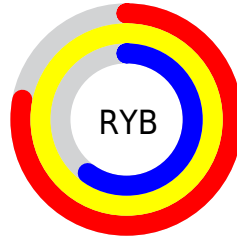
The XYZ color **73.6454, 76.8712, 41.0931** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.3269, 48.2717, 101.3779**, and the grayscale version is **71.9227, 75.6683, 82.4028**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **39.5629, 41.1858, 18.1764** is the 20% darker color. If you saturate the color by 10%, you get **69.7256, 72.0495, 30.4827**, and if you desaturate by 10%, it is **78.1141, 82.0699, 54.1084**.

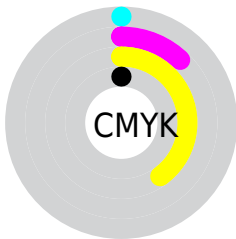
Distribution



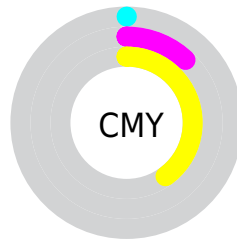
- Red (100%)
- Green (88%)
- Blue (60%)



- Red (78%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (12%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.6454, 76.8712, 41.0931 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 73.6454, 76.8712, 41.0931 by changing the saturation by 10% instead.


 73.6454, 76.8712,
41.0931


 73.6454, 76.8712,
41.0931


462.3179,
484.3248, 366.3977

 54.7941, 57.1472,
28.0716


 123.3912,
128.9577, 78.0804

 39.4701, 41.1234,
18.1401


 155.0164,
162.0889, 102.8833

 27.3080, 28.4155,
10.8802


191.6304,
200.4579, 132.4504

 17.9425, 18.6391,
5.8731

233.5983,
244.4492, 167.2002

 11.0081, 11.4098,
2.7006

281.2857,
294.4472, 207.5513

 6.1396, 6.3432,
0.9437

335.0579,

 2.9716, 3.0549,

350.8361, 253.9222

0.0000

395.2801,
414.0005, 306.7315

■ 1.1388, 1.1604,
0.0000

■ 0.0572, 0.0290,
0.0000

■ 73.6454, 76.8712,
41.0931

■ 73.6454, 76.8712,
41.0931

■ 69.7256, 72.0495,
30.4827

■ 78.1141, 82.0699,
54.1084

■ 66.3186, 67.5799,
22.1198

■ 83.1534, 87.6480,
69.6633

■ 63.3930, 63.4507,
15.8355

■ 88.7909, 93.6210,
87.8878

■ 60.9103, 59.6445,
11.4345

95.0499, 100.0000,
108.9000

■ 58.8251, 56.1408,
8.6842

■ 57.0641, 52.9083,
7.2048

■ 57.0640, 52.9080,
7.2047

Harmonies

Analogous

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



83.2617, 76.8712, 46.2303



73.6454, 76.8712, 41.0931



64.6562, 76.8712, 45.1209

Triad

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



73.6454, 76.8712, 41.0931



57.9289, 76.8712, 111.3515



89.9608, 76.8712, 114.8686

Complementary

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



73.6454, 76.8712, 41.0931



48.3269, 48.2717, 101.3779

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.



82.1703, 76.8712, 139.6781



73.6454, 76.8712, 41.0931



63.7345, 76.8712, 137.3537

Square

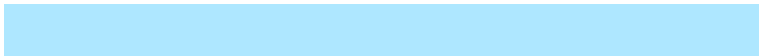
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6454, 76.8712, 41.0931



56.0732, 76.8712, 82.0493



72.4852, 76.8712, 148.6885



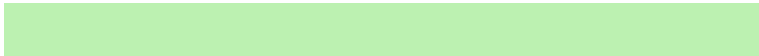
93.1804, 76.8712, 85.3720

Rectangle

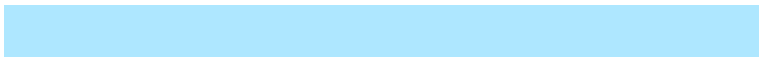
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6454, 76.8712, 41.0931



60.1088, 76.8712, 53.0950



72.4852, 76.8712, 148.6885



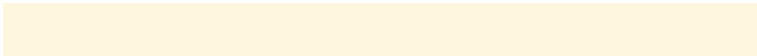
87.7580, 76.8712, 124.2558

Sweetspot

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



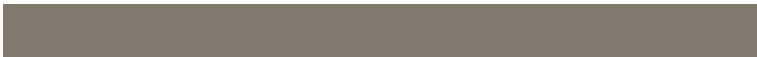
73.6473, 76.8748, 41.0947



87.6140, 92.3938, 84.0218



61.4204, 47.5587, 52.0085



18.5914, 19.6064, 17.4567



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.



73.6473, 76.8748, 41.0947



70.4675, 72.9853, 32.4192



76.2018, 91.7042, 43.8224



19.0680, 20.1042, 19.0198



29.9550, 27.9212, 3.8105



3.0130, 2.9113, 0.4031

Inverse Universe

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



48.3269, 48.2717, 101.3779



41.9958, 40.8459, 100.2784



46.3895, 38.7402, 99.6402



17.4530, 18.2777, 22.8580



10.9503, 6.8102, 50.1719



1.1575, 0.8457, 4.9155

Previews

White Background



This preview shows how the XYZ color 73.6454, 76.8712, 41.0931 looks on a white background.

Color Contrast Check

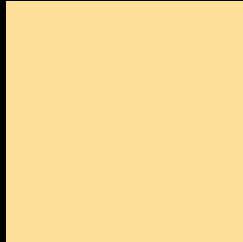
Large Text (above 18pt) WCAG AA × Fail

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 73.6454, 76.8712, 41.0931 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 73.6454, 76.8712, 41.0931

Background



This preview shows how black text looks on a background with the XYZ color 73.6454, 76.8712, 41.0931.



This preview shows how white text looks on a background with the XYZ color 73.6454, 76.8712,

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

73.6454, 76.8712, 41.0931

Protanopia

71.3079, 76.8641, 41.6498

Deuteranopia

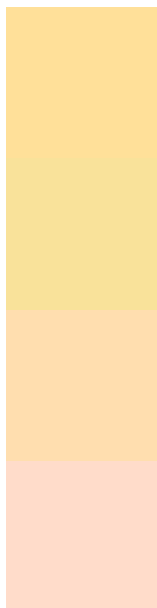
76.1736, 76.6037, 58.3482



Tritanopia

80.3358, 76.5989, 85.4138

Trichromacy



Original Color

73.6454, 76.8712, 41.0931

Protanomaly

72.0960, 76.8655, 41.6085

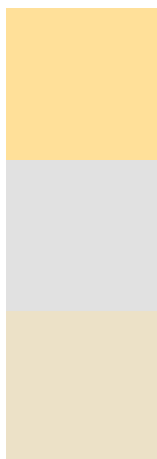
Deuteranomaly

75.0991, 76.5977, 51.3841

Tritanomaly

77.4939, 76.7107, 66.5994

Monochromacy



Original Color

73.6454, 76.8712, 41.0931

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.8261, 75.8068, 64.8794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6454, 76.8712, 41.0931 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 153) }
```

Border

The CSS property to change the border of an element to XYZ 73.6454, 76.8712, 41.0931 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, 153) }
```


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

```
.border{ border-color:rgb(255, 224, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6454, 76.8712, 41.0931 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
224, 153) }
```

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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