

Converting Colors

XYZ(100.3175, 88.6986,
47.7374)

Have a look what the booklet for
XYZ(100.3175, 88.6986, 47.7374)
contains.

XYZ(73.4545, 74.6762, 46.6189)	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(73.4545, 74.6762,
46.6189)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDBA6
RGB	255, 219, 166
RGB Percent	100%, 86%, 65%
CMY	0.0000, 0.1412, 0.3490
CMYK	0.00, 0.14, 0.35, 0.00
HSL	36°, 100%, 83%
HSV	36°, 35%, 100%
XYZ	73.4545, 74.6762, 46.6189
YIQ	223.7220, 38.4690, -8.8510

Conversions

Conversions Part 2

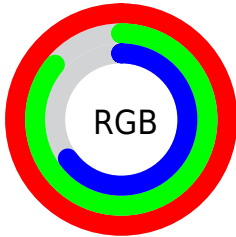
Format	Color
R _Y B	226, 255, 166
Decimal	16767910
CIE Lab	89.24, 5.22, 30.71
CIE LCh	89, 31.149, 80.359
Yxy	74.6762, 0.3772, 0.3834
Android (android.graphics.Color)	4294957990 (0xFFFFDBA6)
YUV	223.7220, -28.4569, 27.4308
Hunter-Lab	86.4154, 0.5010, 28.5053

Details

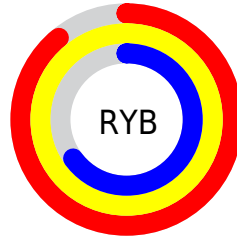
The XYZ color **73.4545, 74.6762, 46.6189** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.8958, 57.5662, 102.8258**, and the grayscale version is **70.8321, 74.5209, 81.1532**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **39.3387, 39.6361, 21.4968** is the 20% darker color. If you saturate the color by 10%, you get **68.7360, 68.6189, 34.6275**, and if you desaturate by 10%, it is **78.8071, 81.2593, 61.1114**.

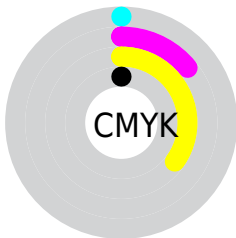
Distribution



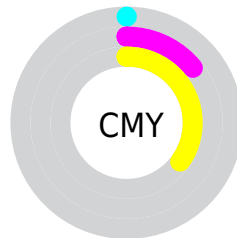
- Red (100%)
- Green (86%)
- Blue (65%)



- Red (89%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (14%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.4545, 74.6762, 46.6189 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 73.4545, 74.6762, 46.6189 by changing the saturation by 10% instead.


 73.4545, 74.6762,
46.6189


 73.4545, 74.6762,
46.6189


461.6680,
476.8039, 389.6409

 54.6374, 55.3477,
32.3823


 123.1219,
125.8539, 86.4885

 39.3442, 39.6801,
21.3864


 154.7028,
158.4719, 112.9586

 27.2095, 27.2892,
13.2128

191.2691,
196.2884, 144.3435

 17.8680, 17.7906,
7.4428

233.1861,
239.6879, 181.0620

 10.9544, 10.7997,
3.6579

280.8191,
289.0549, 223.5324

 6.1032, 5.9323,
1.4396

334.5335,

 2.9492, 2.8040,

344.7736, 272.1733

0.1723

394.6947,
407.2284, 327.4033

■ 1.1270, 1.0303,
0.0000

■ 0.0475, 0.0000,
0.0000

■ 73.4545, 74.6762,
46.6189

■ 73.4545, 74.6762,
46.6189

■ 68.7360, 68.6189,
34.6275

■ 78.8071, 81.2593,
61.1114

■ 64.6158, 63.0601,
24.9865

■ 84.8166, 88.3738,
78.2346

■ 61.0619, 57.9849,
17.5360

■ 91.5112, 96.0383,
98.1144

■ 58.0370, 53.3733,
12.0940

95.0500, 100.0000,
108.9000

■ 55.4977, 49.2026,
8.4485

■ 53.3913, 45.4464,
6.3388

■ 52.4471, 43.6742,
5.6657

Harmonies

Analogous

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



80.7203, 74.6762, 53.1385



73.4545, 74.6762, 46.6189



66.0112, 74.6762, 48.0301

Triad

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



73.4545, 74.6762, 46.6189



58.1329, 74.6762, 96.7655



82.8428, 74.6762, 111.0576

Complementary

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



73.4545, 74.6762, 46.6189



54.8958, 57.5662, 102.8258

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.



76.1868, 74.6762, 127.2264



73.4545, 74.6762, 46.6189



62.0520, 74.6762, 118.0065

Square

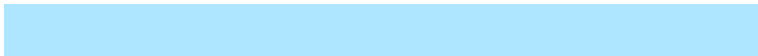
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.4545, 74.6762, 46.6189



57.5163, 74.6762, 74.4964



68.5568, 74.6762, 129.9745



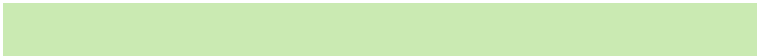
86.3904, 74.6762, 88.5263

Rectangle

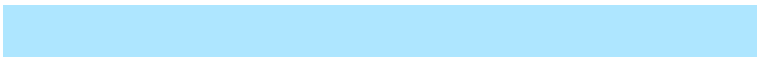
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.4545, 74.6762, 46.6189



61.9237, 74.6762, 53.3929



68.5568, 74.6762, 129.9745



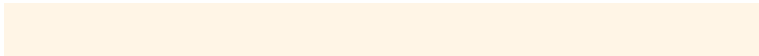
80.8733, 74.6762, 117.5747

Sweetspot

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



73.4563, 74.6796, 46.6204



88.0106, 92.0607, 87.6261



65.6662, 52.8490, 63.2926



18.6382, 19.4756, 18.1645



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.



73.4563, 74.6796, 46.6204



70.0423, 70.3247, 37.8579



81.2070, 94.1537, 49.9708



18.9090, 19.7861, 18.9668



27.5551, 23.1214, 3.0106



2.7902, 2.4658, 0.3289

Inverse Universe

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



54.8958, 57.5662, 102.8258



48.9223, 50.8619, 101.8466



49.0129, 43.4252, 100.4064



17.6061, 18.5838, 22.9090



12.1098, 9.1291, 50.5584



1.2829, 1.0965, 4.9573

Previews

White Background



This preview shows how the XYZ color 73.4545, 74.6762, 46.6189 looks on a white background.

Color Contrast Check

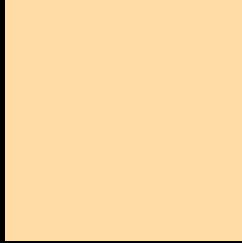
Large Text (above 18pt) WCAG AA × Fail

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 73.4545, 74.6762, 46.6189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

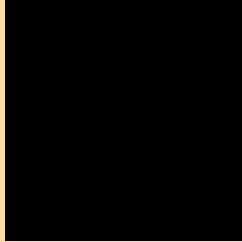
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.4545, 74.6762, 46.6189

Background



This preview shows how black text looks on a background with the XYZ color 73.4545, 74.6762, 46.6189.



This preview shows how white text looks on a background with the XYZ color 73.4545, 74.6762,

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

73.4545, 74.6762, 46.6189

Protanopia

69.6587, 74.6637, 47.7859

Deuteranopia

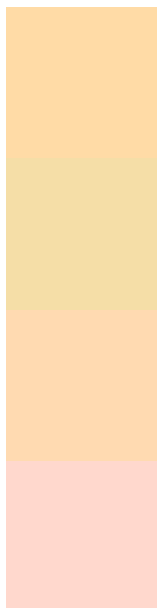
74.9631, 74.8635, 55.8465



Tritanopia

79.1517, 74.8992, 82.9583

Trichromacy



Original Color

73.4545, 74.6762, 46.6189

Protanomaly

70.7525, 74.4450, 47.1995

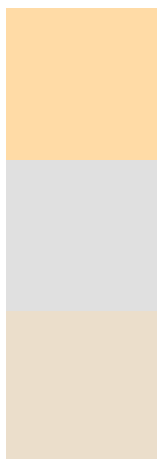
Deuteranomaly

74.2472, 74.5771, 52.0765

Tritanomaly

76.8153, 74.7795, 68.1429

Monochromacy



Original Color

73.4545, 74.6762, 46.6189

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

71.1617, 74.2165, 67.0745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.4545, 74.6762, 46.6189 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, 219, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 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, 219, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 166) }
```

Border

The CSS property to change the border of an element to XYZ 73.4545, 74.6762, 46.6189 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, 219, 166) }
```


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

```
.border{ border-color:rgb(255, 219, 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, 219, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 73.4545, 74.6762, 46.6189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 166) }
```

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

```
.background{ background-color: rgb(255,  
219, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor