

Converting Colors

XYZ(69.8816, 72.5483, 45.6446)

Have a look what the booklet for
XYZ(69.8816, 72.5483, 45.6446)
contains.

XYZ(69.7783, 72.4160, 45.4219)	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(69.7783, 72.4160,
45.4219)**

Conversions

Conversions Part 1

Format	Color
Hex	F6DAA4
RGB	246, 218, 164
RGB Percent	96%, 85%, 64%
CMY	0.0353, 0.1451, 0.3569
CMYK	0.00, 0.11, 0.33, 0.04
HSL	40°, 82%, 80%
HSV	40°, 33%, 96%
XYZ	69.7783, 72.4160, 45.4219
YIQ	220.2160, 34.0220, -10.8580

Conversions

Conversions Part 2

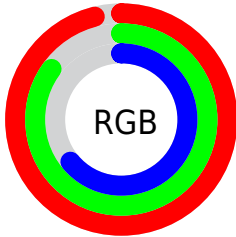
Format	Color
RYB	207, 246, 164
Decimal	16177828
CIELab	88.17, 2.05, 30.16
CIELCh	88, 30.231, 86.104
Yxy	72.4160, 0.3719, 0.3860
Android (android.graphics.Color)	4294367908 (0xFFFF6DAA4)
YUV	220.2160, -27.7145, 22.6126
Hunter-Lab	85.0976, -2.5544, 27.9215

Details

The XYZ color **69.7783, 72.4160, 45.4219** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.7935, 52.2440, 94.5959**, and the grayscale version is **68.3508, 71.9104, 78.3104**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **37.0081, 38.1831, 20.7488** is the 20% darker color. If you saturate the color by 10%, you get **65.6456, 67.3685, 34.1239**, and if you desaturate by 10%, it is **74.4548, 77.8628, 59.0227**.

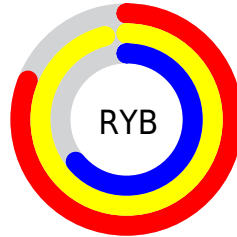
Distribution



Red (96%)

Green (85%)

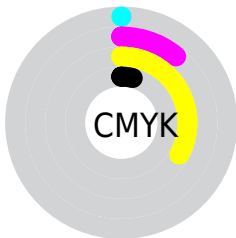
Blue (64%)



Red (81%)

Yellow (96%)

Blue (64%)

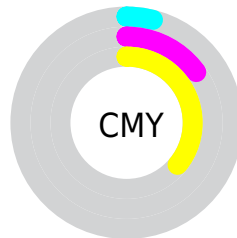


Cyan (0%)

Magenta (11%)

Yellow (33%)

Black (4%)



Cyan (4%)


Magenta (15%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7783, 72.4160, 45.4219 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 69.7783, 72.4160, 45.4219 by changing the saturation by 10% instead.


 69.7783, 72.4160,
45.4219


 69.7783, 72.4160,
45.4219


449.0498,
468.9883, 384.6894

 51.6248, 53.4986,
31.4445


 117.9205,
122.6478, 84.6783

 36.9291, 38.2009,
20.6763


 148.6399,
154.7309, 110.7944

 25.3260, 26.1387,
12.6986


184.2787,
191.9714, 141.7938

 16.4502, 16.9274,
7.0931

225.2021,
234.7537, 178.0951

 9.9361, 10.1827,
3.4410

271.7756,
283.4621, 220.1167

 5.4186, 5.5203,
1.3240

324.3644,

 2.5321, 2.5557,

338.4811, 268.2773

0.0813

383.3340,
400.1950, 322.9954

■ 0.9115, 0.9044,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.7783, 72.4160,
45.4219

■ 69.7783, 72.4160,
45.4219

■ 65.6456, 67.3685,
34.1239

■ 74.4548, 77.8628,
59.0227

■ 62.0248, 62.6972,
24.9927

■ 79.6939, 83.7111,
75.0428

■ 58.8884, 58.3910,
17.8848

■ 85.5205, 89.9760,
93.5962

■ 56.2041, 54.4343,
12.6375

■ 90.7409, 96.1825,
108.3903

■ 53.9345, 50.8093,
9.0625

■ 91.8161, 98.3329,
108.7487

■ 52.0345, 47.4952,
6.9311

■ 50.9294, 45.4394,
6.0864

Harmonies

Analogous

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



76.8775, 72.4160, 50.2016



69.7783, 72.4160, 45.4219



62.8915, 72.4160, 48.2257

Triad

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



69.7783, 72.4160, 45.4219



57.0842, 72.4160, 97.6974



81.0262, 72.4160, 103.2039

Complementary

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



69.7783, 72.4160, 45.4219



50.7935, 52.2440, 94.5959

Split Complementary

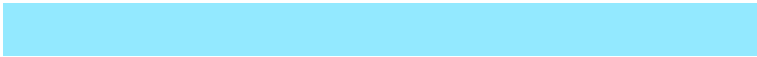
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.1294, 72.4160, 120.2809



69.7783, 72.4160, 45.4219



61.3632, 72.4160, 116.7310

Square

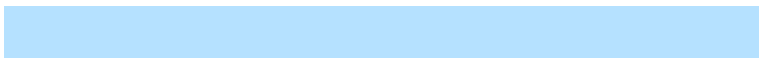
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7783, 72.4160, 45.4219



55.8695, 72.4160, 76.1739



67.8888, 72.4160, 125.6179



83.6525, 72.4160, 81.5854

Rectangle

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



69.7783, 72.4160, 45.4219



59.2892, 72.4160, 54.3383



67.8888, 72.4160, 125.6179



79.3414, 72.4160, 109.8031

Sweetspot

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



69.7801, 72.4193, 45.4234



88.4982, 93.0359, 87.7887



60.8742, 49.9814, 56.7165



18.7564, 19.7119, 18.2039



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.



69.7801, 72.4193, 45.4234



72.6296, 74.8396, 40.7545



73.4902, 86.0338, 47.8557



17.4105, 18.3052, 17.4132



27.3195, 24.5246, 3.2938



2.4963, 2.3458, 0.3212

Inverse Universe

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



50.7935, 52.2440, 94.5959



49.1322, 49.8829, 101.6466



47.8832, 42.4708, 92.8629



16.0436, 16.8515, 20.9496



10.6871, 7.1679, 47.3583



1.0309, 0.8133, 4.1929

Previews

White Background



This preview shows how the XYZ color 69.7783, 72.4160, 45.4219 looks on a white background.

Color Contrast Check

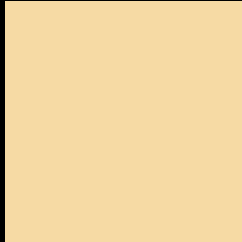
Large Text (above 18pt) WCAG AA × Fail

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 69.7783, 72.4160, 45.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

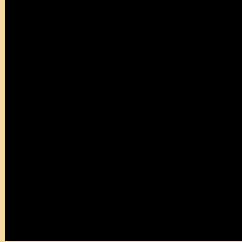
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7783, 72.4160, 45.4219

Background



This preview shows how black text looks on a background with the XYZ color 69.7783, 72.4160, 45.4219.



This preview shows how white text looks on a background with the XYZ color 69.7783, 72.4160,

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

69.7783, 72.4160, 45.4219

Protanopia

67.5730, 72.4340, 46.0170

Deuteranopia

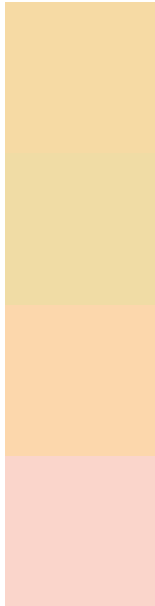
73.1230, 72.4877, 51.2118



Tritanopia

77.2821, 72.4668, 81.8658

Trichromacy



Original Color

69.7783, 72.4160, 45.4219

Protanomaly

68.3199, 72.4283, 45.9765

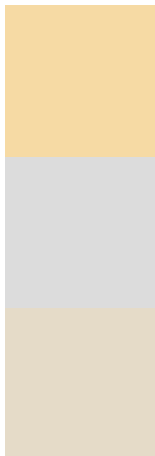
Deuteranomaly

71.8917, 72.2749, 49.1911

Tritanomaly

73.9981, 72.2243, 66.5405

Monochromacy



Original Color

69.7783, 72.4160, 45.4219

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.0699, 71.4912, 64.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7783, 72.4160, 45.4219 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, 218, 164)` looks like.

```
.text, #text, p{  
    color:rgb(246, 218, 164)  
}
```

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, 218, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 218, 164) }
```

Border

The CSS property to change the border of an element to XYZ 69.7783, 72.4160, 45.4219 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, 218, 164) }
```


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

```
.border{ border-color:rgb(246, 218, 164) }
```

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

Here you see how a box with a 4 pixel rgb(246, 218, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 218, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 218, 164);  
box-shadow:4px 4px 4px 4px rgb(246, 218,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7783, 72.4160, 45.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 218, 164) }
```

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

```
.background{ background-color: rgb(246,  
218, 164) }
```

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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