

Converting Colors

XYZ(72.2298, 77.6201, 45.3754)

Have a look what the booklet for
XYZ(72.2298, 77.6201, 45.3754)
contains.

XYZ(72.2710, 77.6883, 45.3687) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(72.2710, 77.6883,
45.3687)**

Conversions

Conversions Part 1

Format	Color
Hex	F6E4A2
RGB	246, 228, 162
RGB Percent	96%, 89%, 64%
CMY	0.0353, 0.1059, 0.3647
CMYK	0.00, 0.07, 0.34, 0.04
HSL	47°, 82%, 80%
HSV	47°, 34%, 96%
XYZ	72.2710, 77.6883, 45.3687
YIQ	225.8580, 31.9140, -16.7100

Conversions

Conversions Part 2

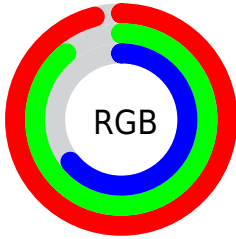
Format	Color
R_{YB}	185, 246, 162
Decimal	16180386
CIE _{Lab}	90.64, -3.28, 34.48
CIE _{LCh}	91, 34.632, 95.434
Yxy	77.6883, 0.3700, 0.3977
Android (android.graphics.Color)	4294370466 (0xFFFF6E4A2)
YUV	225.8580, -31.4820, 17.6645
Hunter-Lab	88.1410, -7.8860, 31.1804

Details

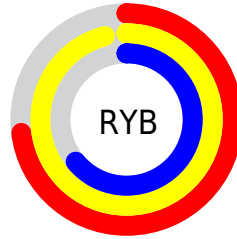
The XYZ color **72.2710, 77.6883, 45.3687** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.8557, 46.9763, 93.7338**, and the grayscale version is **72.3920, 76.1620, 82.9404**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **38.7443, 41.8317, 20.7841** is the 20% darker color. If you saturate the color by 10%, you get **68.8677, 74.0453, 34.4809**, and if you desaturate by 10%, it is **76.1502, 81.5979, 58.5272**.

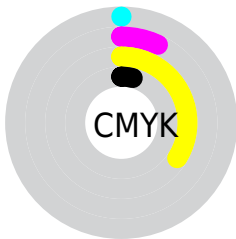
Distribution



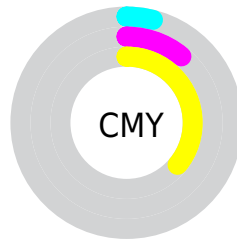
- Red (96%)
- Green (89%)
- Blue (64%)



- Red (73%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (34%)
- Black (4%)





- Cyan (4%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2710, 77.6883, 45.3687 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 72.2710, 77.6883, 45.3687 by changing the saturation by 10% instead.


 72.2710, 77.6883,
45.3687


 72.2710, 77.6883,
45.3687

457.6273,
487.1076, 384.4683

 53.6663, 57.8180,
31.4029


 121.4505,
130.1106, 84.5977

 38.5646, 41.6623,
20.6448


 152.7560,
163.4314, 110.6980

 26.6004, 28.8370,
12.6759


189.0258,
202.0045, 141.6801

 17.4083, 18.9575,
7.0777

230.6253,
246.2142, 177.9628

 10.6232, 11.6396,
3.4315

277.9199,
296.4450, 219.9643

 5.8795, 6.4988,
1.3190

331.2748,

 2.8119, 3.1507,

353.0812, 268.1034

0.0773

391.0555,
416.5073, 322.7986

■ 1.0551, 1.2109,
0.0000

■ 0.0000, 0.0706,
0.0000

■ 72.2710, 77.6883,
45.3687

■ 72.2710, 77.6883,
45.3687

■ 68.8677, 74.0453,
34.4809

■ 76.1502, 81.5979,
58.5272

■ 65.9089, 70.6474,
25.7270

■ 80.5229, 85.7735,
74.0730

■ 63.3687, 67.4865,
18.9628

■ 85.4128, 90.2278,
92.1203

■ 61.2154, 64.5491,
14.0242

■ 89.9580, 94.6168,
108.1293

■ 59.4126, 61.8201,
10.7207

■ 91.6105, 97.9218,
108.6802

■ 57.9157, 59.2809,
8.8198

■ 91.8160, 98.3328,
108.7487

■ 57.1431, 57.8669,
8.1577

Harmonies

Analogous

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



80.9990, 77.6883, 48.1376



72.2710, 77.6883, 45.3687



64.5802, 77.6883, 51.3137

Triad

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



72.2710, 77.6883, 45.3687



61.0589, 77.6883, 115.4395



90.0843, 77.6883, 106.0589

Complementary

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



72.2710, 77.6883, 45.3687



47.8557, 46.9763, 93.7338

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.



83.9460, 77.6883, 129.8201



72.2710, 77.6883, 45.3687



67.1165, 77.6883, 135.9367

Square

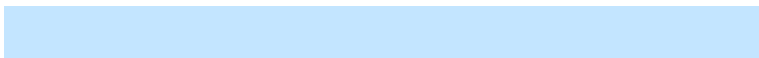
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2710, 77.6883, 45.3687



58.4398, 77.6883, 89.1974



75.4324, 77.6883, 141.6566



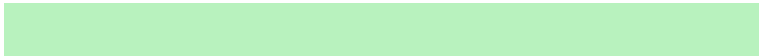
91.7336, 77.6883, 80.1428

Rectangle

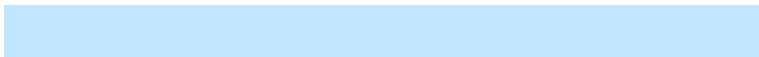
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2710, 77.6883, 45.3687



60.9311, 77.6883, 60.2644



75.4324, 77.6883, 141.6566



88.4552, 77.6883, 114.7109

Sweetspot

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



72.2730, 77.6919, 45.3703



89.4949, 95.0293, 88.1209



59.1855, 48.7378, 49.5758



18.9984, 20.1960, 18.2846



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.



72.2730, 77.6919, 45.3703



75.8082, 81.5303, 40.7859



69.6632, 84.0815, 46.7412



17.5958, 18.6757, 17.4749



30.6073, 31.1002, 4.3898



2.7633, 2.8799, 0.4102

Inverse Universe

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



47.8557, 46.9763, 93.7338



45.6247, 43.5750, 100.6139



49.7568, 42.9095, 92.8486



15.8689, 16.5020, 20.8914



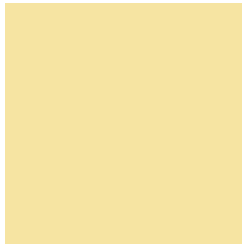
9.6335, 5.0608, 47.0071



0.9188, 0.5890, 4.1555

Previews

White Background



This preview shows how the XYZ color 72.2710, 77.6883, 45.3687 looks on a white background.

Color Contrast Check

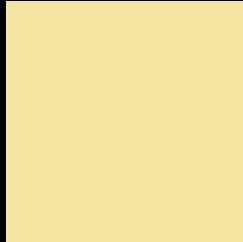
Large Text (above 18pt) WCAG AA × Fail

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 72.2710, 77.6883, 45.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

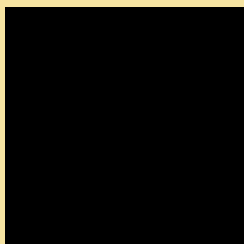
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2710, 77.6883, 45.3687

Background



This preview shows how black text looks on a background with the XYZ color 72.2710, 77.6883, 45.3687.



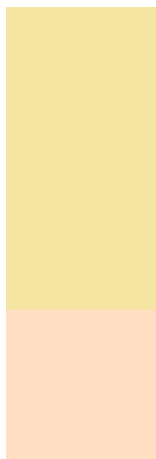
This preview shows how white text looks on a background with the XYZ color 72.2710, 77.6883,

45.3687.

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

72.2710, 77.6883, 45.3687

Protanopia

72.2710, 77.6883, 45.3687

Deuteranopia

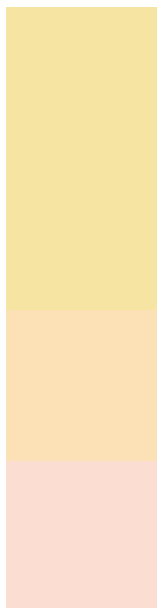
76.9869, 77.3528, 61.3250



Tritanopia

81.3449, 77.7900, 90.0845

Trichromacy



Original Color

72.2710, 77.6883, 45.3687

Protanomaly

72.2710, 77.6883, 45.3687

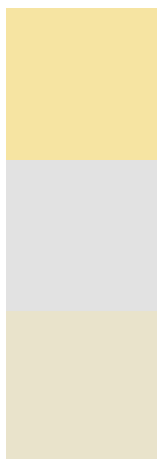
Deuteranomaly

75.2440, 77.3842, 55.2268

Tritanomaly

77.4136, 77.3552, 71.1725

Monochromacy



Original Color

72.2710, 77.6883, 45.3687

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.8528, 76.5736, 67.4930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2710, 77.6883, 45.3687 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, 228, 162) looks like.

```
.text, #text, p{  
    color:rgb(246, 228, 162)  
}
```

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, 228, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 228, 162) }
```

Border

The CSS property to change the border of an element to XYZ 72.2710, 77.6883, 45.3687 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, 228, 162) }
```


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

```
.border{ border-color:rgb(246, 228, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 228, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 228, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 228, 162);  
box-shadow:4px 4px 4px 4px rgb(246, 228,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2710, 77.6883, 45.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 228, 162) }
```

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

```
.background{ background-color: rgb(246,  
228, 162) }
```

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