

Converting Colors

XYZ(111.2054, 100.0000,
46.5951)

Have a look what the booklet for
XYZ(111.2054, 100.0000, 46.5951)
contains.

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Color

**XYZ(76.7241, 82.0759,
45.0561)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9A0
RGB	255, 233, 160
RGB Percent	100%, 91%, 63%
CMY	0.0000, 0.0862, 0.3725
CMYK	0.00, 0.09, 0.37, 0.00
HSL	46°, 100%, 81%
HSV	46°, 37%, 100%
XYZ	76.7241, 82.0759, 45.0561
YIQ	231.2560, 36.5450, -18.0390

Conversions

Conversions Part 2

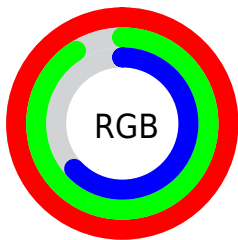
Format	Color
R _Y B	189, 255, 160
Decimal	16771488
CIE Lab	92.61, -2.59, 38.22
CIE LCh	93, 38.306, 93.874
Yxy	82.0759, 0.3764, 0.4026
Android (android.graphics.Color)	4294961568 (0xFFFFE9A0)
YUV	231.2560, -35.1292, 20.8235
Hunter-Lab	90.5958, -7.3738, 33.9303

Details

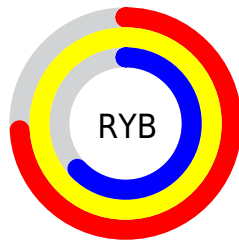
The XYZ color **76.7241, 82.0759, 45.0561** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **49.2747, 48.1480, 101.3042**, and the grayscale version is **76.3825, 80.3604, 87.5124**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **41.4019, 44.3761, 20.2933** is the 20% darker color. If you saturate the color by 10%, you get **73.0754, 77.9897, 33.9404**, and if you desaturate by 10%, it is **80.8903, 86.4645, 58.6033**.

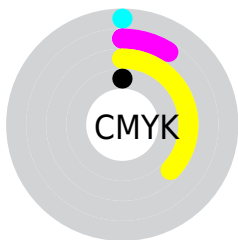
Distribution



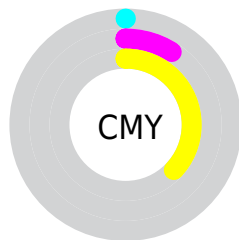
- Red (100%)
- Green (91%)
- Blue (63%)



- Red (74%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (9%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7241, 82.0759, 45.0561 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 76.7241, 82.0759, 45.0561 by changing the saturation by 10% instead.


 76.7241, 82.0759,
45.0561


 76.7241, 82.0759,
45.0561


472.7292,
501.9015, 383.1675

 57.3256, 61.4281,
31.1583


 127.7249,
136.2804, 84.1239

 41.5079, 44.5708,
20.4600


 160.0578,
170.6060, 110.1311

 28.9056, 31.1195,
12.5425


197.4330,
210.2595, 141.0118

 19.1533, 20.6898,
6.9872

240.2157,
255.6255, 177.1846

 11.8858, 12.8975,
3.3758

288.7713,
307.0883, 219.0680

 6.7376, 7.3580,
1.2896

343.4652,

 3.3434, 3.6870,

365.0323, 267.0806

0.0532

404.6627,
429.8419, 321.6409

■ 1.3379, 1.5000,
0.0000

■ 0.2113, 0.2888,
0.0000

■ 76.7241, 82.0759,
45.0561

■ 76.7241, 82.0759,
45.0561

■ 73.0754, 77.9897,
33.9404

■ 80.8903, 86.4645,
58.6033

■ 69.9095, 74.1823,
25.1026

■ 85.5943, 91.1555,
74.7130

■ 67.1966, 70.6439,
18.3796

■ 90.8624, 96.1633,
93.5124

■ 64.9005, 67.3590,
13.5842

95.0500, 100.0000,
108.9000

■ 62.9790, 64.3099,
10.4963

■ 61.3776, 61.4739,
8.8318

■ 60.9717, 60.7234,
8.5072

Harmonies

Analogous

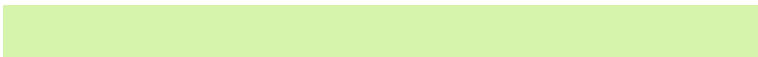
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7509, 82.0759, 48.6163



76.7241, 82.0759, 45.0561



67.8166, 82.0759, 51.1274

Triad

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



76.7241, 82.0759, 45.0561



63.1668, 82.0759, 123.5526



96.4981, 82.0759, 115.7582

Complementary

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



76.7241, 82.0759, 45.0561



49.2747, 48.1480, 101.3042

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.



89.1784, 82.0759, 143.0738



76.7241, 82.0759, 45.0561



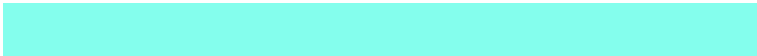
69.8782, 82.0759, 148.2046

Square

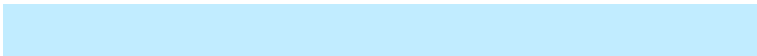
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7241, 82.0759, 45.0561



60.4218, 82.0759, 93.1233



79.3116, 82.0759, 156.0134



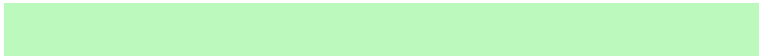
98.7192, 82.0759, 85.7126

Rectangle

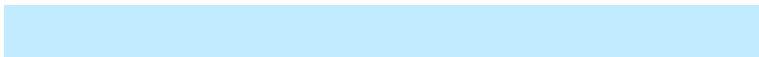
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7241, 82.0759, 45.0561



63.5427, 82.0759, 60.7753



79.3116, 82.0759, 156.0134



94.5233, 82.0759, 125.7575

Sweetspot

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



76.7261, 82.0797, 45.0578



88.8214, 94.2497, 86.1475



62.2721, 49.7868, 50.6750



18.8576, 20.0274, 17.8891



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

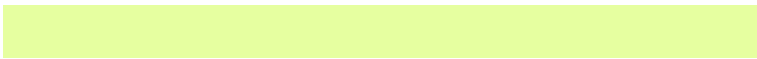
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7261, 82.0797, 45.0578



73.8549, 78.8865, 36.2417



74.6318, 90.8261, 46.8564



19.1837, 20.3357, 19.0584



31.9782, 31.9677, 4.4850



3.1961, 3.2775, 0.4642

Inverse Universe

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



49.2747, 48.1480, 101.3042



42.6925, 40.3874, 100.1532



50.7097, 42.7184, 100.1805



17.3442, 18.0600, 22.8217



10.3426, 5.5947, 49.9694



1.0858, 0.7022, 4.8916

Previews

White Background



This preview shows how the XYZ color 76.7241, 82.0759, 45.0561 looks on a white background.

Color Contrast Check

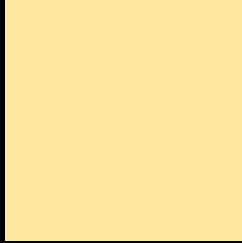
Large Text (above 18pt) WCAG AA × Fail

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 76.7241, 82.0759, 45.0561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

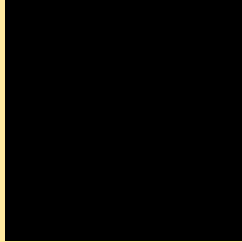
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7241, 82.0759, 45.0561

Background



This preview shows how black text looks on a background with the XYZ color 76.7241, 82.0759, 45.0561.



This preview shows how white text looks on a background with the XYZ color 76.7241, 82.0759,

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

76.7241, 82.0759, 45.0561

Protanopia

76.2760, 82.2663, 45.1165

Deuteranopia

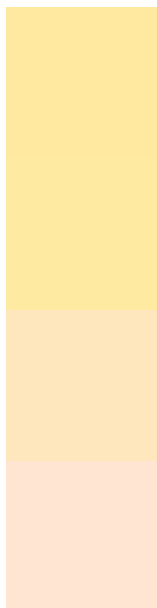
80.6774, 82.3099, 70.0278



Tritanopia

83.8690, 81.8258, 92.2625

Trichromacy



Original Color

76.7241, 82.0759, 45.0561

Protanomaly

76.6410, 82.4545, 45.1336

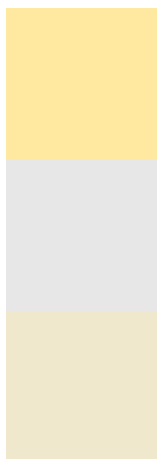
Deuteranomaly

79.0012, 82.0860, 59.8245

Tritanomaly

80.8922, 81.9518, 72.5276

Monochromacy



Original Color

76.7241, 82.0759, 45.0561

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8112, 80.6463, 69.3282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7241, 82.0759, 45.0561 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, 233, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 160)  
}
```

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, 233, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 160) }
```

Border

The CSS property to change the border of an element to XYZ 76.7241, 82.0759, 45.0561 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, 233, 160) }
```


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

```
.border{ border-color:rgb(255, 233, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7241, 82.0759, 45.0561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 160) }
```

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

```
.background{ background-color: rgb(255,  
233, 160) }
```

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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