

Converting Colors

XYZ(89.8637, 89.1100, 46.1778)

Have a look what the booklet for
XYZ(89.8637, 89.1100, 46.1778)
contains.

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Color

**XYZ(77.0958, 82.6788,
45.6134)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAA1
RGB	255, 234, 161
RGB Percent	100%, 92%, 63%
CMY	0.0000, 0.0823, 0.3686
CMYK	0.00, 0.08, 0.37, 0.00
HSL	47°, 100%, 82%
HSV	47°, 37%, 100%
XYZ	77.0958, 82.6788, 45.6134
YIQ	231.9570, 35.9490, -18.2510

Conversions

Conversions Part 2

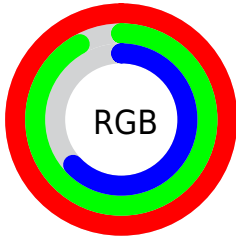
Format	Color
RYB	188, 255, 161
Decimal	16771745
CIELab	92.87, -2.98, 38.06
CIELCh	93, 38.181, 94.478
Yxy	82.6788, 0.3754, 0.4025
Android (android.graphics.Color)	4294961825 (0xFFFFEAA1)
YUV	231.9570, -34.9818, 20.2087
Hunter-Lab	90.9279, -7.7775, 33.9071

Details

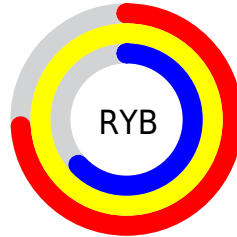
The XYZ color **77.0958, 82.6788, 45.6134** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **49.4755, 48.2515, 101.3135**, and the grayscale version is **76.9060, 80.9111, 88.1122**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **41.6531, 44.7938, 20.6381** is the 20% darker color. If you saturate the color by 10%, you get **73.4777, 78.6817, 34.4219**, and if you desaturate by 10%, it is **81.2287, 86.9712, 59.2407**.

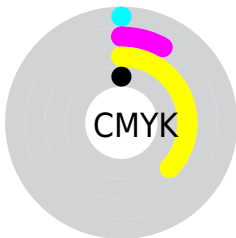
Distribution



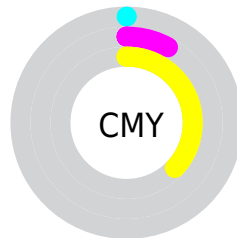
- Red (100%)
- Green (92%)
- Blue (63%)



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



- Cyan (0%)
- Magenta (8%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.0958, 82.6788, 45.6134 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 77.0958, 82.6788, 45.6134 by changing the saturation by 10% instead.


 77.0958, 82.6788,
45.6134


 77.0958, 82.6788,
45.6134


473.9775,
503.9154, 385.4845

 57.6317, 61.9252,
31.5944

 128.2468,
137.1255, 84.9683

 41.7547, 44.9723,
20.7896


 160.6645,
171.5874, 111.1413

 29.0996, 31.4356,
12.7806


198.1307,
211.3875, 142.2027

 19.3008, 20.9308,
7.1487

241.0108,
256.9103, 178.5710

 11.9931, 13.0734,
3.4754

289.6702,
308.5401, 220.6648

 6.8112, 7.4791,
1.3422

344.4742,

 3.3896, 3.7635,

366.6612, 268.9026

0.0960

405.7882,
431.6582, 323.7030

■ 1.3630, 1.5422,
0.0000

■ 0.2296, 0.3181,
0.0000

■ 77.0958, 82.6788,
45.6134

■ 77.0958, 82.6788,
45.6134

■ 73.4777, 78.6817,
34.4219

■ 81.2287, 86.9712,
59.2407

■ 70.3398, 74.9563,
25.5132

■ 85.8965, 91.5588,
75.4342

■ 67.6524, 71.4929,
18.7249

■ 91.1255, 96.4557,
94.3210

■ 65.3799, 68.2766,
13.8708

95.0500, 100.0000,
108.9000

■ 63.4800, 65.2896,
10.7324

■ 61.9000, 62.5099,
9.0329

■ 61.4451, 61.6702,
8.6650

Harmonies

Analogous

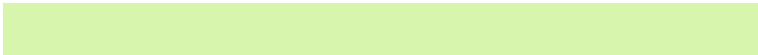
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1410, 82.6788, 48.9940



77.0958, 82.6788, 45.6134



68.2183, 82.6788, 51.9086

Triad

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



77.0958, 82.6788, 45.6134



63.8090, 82.6788, 124.8370



97.1945, 82.6788, 115.8261

Complementary

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



77.0958, 82.6788, 45.6134



49.4755, 48.2515, 101.3135

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.



89.9493, 82.6788, 143.3230



77.0958, 82.6788, 45.6134



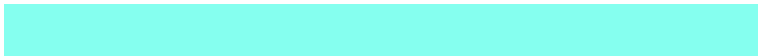
70.6058, 82.6788, 149.2500

Square

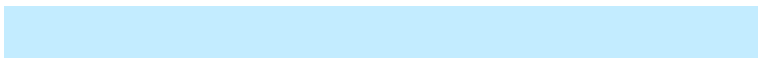
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0958, 82.6788, 45.6134



60.9708, 82.6788, 94.3801



80.0907, 82.6788, 156.6428



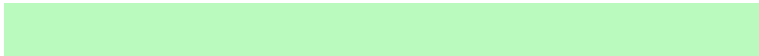
99.2987, 82.6788, 85.8024

Rectangle

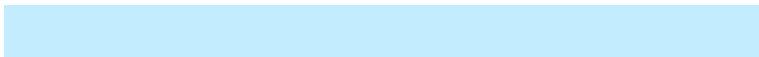
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0958, 82.6788, 45.6134



63.9838, 82.6788, 61.7299



80.0907, 82.6788, 156.6428



95.2511, 82.6788, 125.8601

Sweetspot

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



77.0979, 82.6826, 45.6151



88.8921, 94.3911, 86.1711



62.5257, 50.1667, 51.1520



18.8745, 20.0613, 17.8947



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.



77.0979, 82.6826, 45.6151



74.4632, 79.7980, 37.3852



74.8051, 90.9053, 47.3231



19.1969, 20.3619, 19.0628



32.2230, 32.4572, 4.5665



3.2180, 3.3213, 0.4715

Inverse Universe

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



49.4755, 48.2515, 101.3135



43.3197, 40.9950, 100.2374



51.0616, 43.1582, 100.2468



17.3320, 18.0356, 22.8177



10.2850, 5.4796, 49.9502



1.0786, 0.6878, 4.8892

Previews

White Background



This preview shows how the XYZ color 77.0958, 82.6788, 45.6134 looks on a white background.

Color Contrast Check

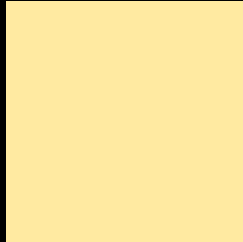
Large Text (above 18pt) WCAG AA × Fail

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 77.0958, 82.6788, 45.6134 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 77.0958, 82.6788, 45.6134

Background



This preview shows how black text looks on a background with the XYZ color 77.0958, 82.6788, 45.6134.



This preview shows how white text looks on a background with the XYZ color 77.0958, 82.6788,

45.6134.

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

77.0958, 82.6788, 45.6134

Protanopia

76.7289, 82.4897, 45.5963

Deuteranopia

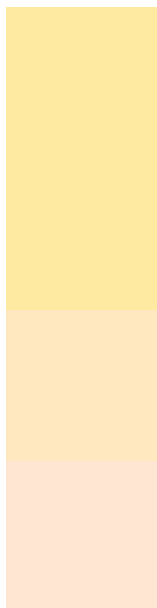
80.9220, 82.4077, 71.3157



Tritanopia

84.2891, 82.4302, 93.1295

Trichromacy



Original Color

77.0958, 82.6788, 45.6134

Protanomaly

76.7289, 82.4897, 45.5963

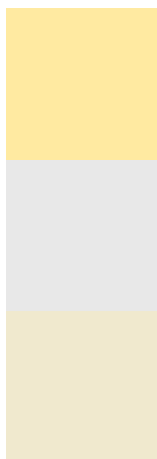
Deuteranomaly

79.2199, 82.1734, 60.9759

Tritanomaly

81.2947, 82.5568, 73.2784

Monochromacy



Original Color

77.0958, 82.6788, 45.6134

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.2147, 81.2593, 70.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0958, 82.6788, 45.6134 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, 234, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 161)  
}
```

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, 234, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 161) }
```

Border

The CSS property to change the border of an element to XYZ 77.0958, 82.6788, 45.6134 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, 234, 161) }
```


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

```
.border{ border-color:rgb(255, 234, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0958, 82.6788, 45.6134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 161) }
```

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

```
.background{ background-color: rgb(255,  
234, 161) }
```

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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