

Converting Colors

XYZ(77.7952, 83.7643, 46.8122)

Have a look what the booklet for
XYZ(77.7952, 83.7643, 46.8122)
contains.

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Color

**XYZ(77.8463, 83.8952,
46.7408)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECA3
RGB	255, 236, 163
RGB Percent	100%, 93%, 64%
CMY	0.0000, 0.0745, 0.3608
CMYK	0.00, 0.07, 0.36, 0.00
HSL	48°, 100%, 82%
HSV	48°, 36%, 100%
XYZ	77.8463, 83.8952, 46.7408
YIQ	233.3590, 34.7570, -18.6750

Conversions

Conversions Part 2

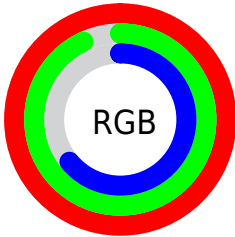
Format	Color
RYB	187, 255, 163
Decimal	16772259
CIELab	93.40, -3.76, 37.76
CIELCh	93, 37.944, 95.691
Yxy	83.8952, 0.3734, 0.4024
Android (android.graphics.Color)	4294962339 (0xFFFFECA3)
YUV	233.3590, -34.6870, 18.9792
Hunter-Lab	91.5943, -8.5824, 33.8602

Details

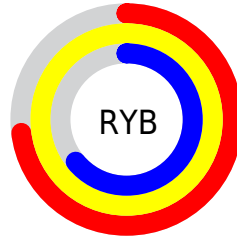
The XYZ color **77.8463, 83.8952, 46.7408** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **49.8819, 48.4610, 101.3326**, and the grayscale version is **77.9594, 82.0193, 89.3190**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **42.1617, 45.6386, 21.3388** is the 20% darker color. If you saturate the color by 10%, you get **74.2952, 80.0880, 35.3990**, and if you desaturate by 10%, it is **81.9070, 87.9838, 60.5270**.

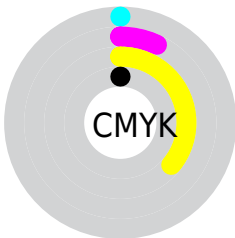
Distribution



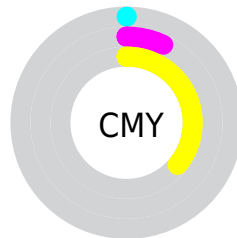
- Red (100%)
- Green (93%)
- Blue (64%)



- Red (73%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8463, 83.8952, 46.7408 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 77.8463, 83.8952, 46.7408 by changing the saturation by 10% instead.

77.8463, 83.8952,
46.7408

77.8463, 83.8952,
46.7408

476.4925,
507.9652, 390.1427

58.2501, 62.9289,
32.4779

129.2999,
138.8286, 86.6725

42.2538, 45.7837,
21.4590

161.8881,
173.5644, 113.1784

29.4920, 32.0752,
13.2654

199.5375,
213.6590, 144.6024

19.5995, 21.4189,
7.4787

242.6137,
259.4965, 181.3631

12.2108, 13.4306,
3.6803

291.4819,
311.4615, 223.8789

6.9606, 7.7257,
1.4516

346.5076,

3.4836, 3.9199,

369.9384, 272.5684

0.1815

408.0560,
435.3115, 327.8502

■ 1.4144, 1.6289,
0.0000

■ 0.2664, 0.3770,
0.0000

■ 77.8463, 83.8952,
46.7408

■ 77.8463, 83.8952,
46.7408

■ 74.2952, 80.0880,
35.3990

■ 81.9070, 87.9838,
60.5270

■ 71.2191, 76.5387,
26.3497

■ 86.4969, 92.3531,
76.8870

■ 68.5890, 73.2380,
19.4319

■ 91.6421, 97.0172,
95.9472

■ 66.3695, 70.1712,
14.4616

95.0500, 100.0000,
108.9000

■ 64.5193, 67.3212,
11.2233

■ 62.9873, 64.6669,
9.4494

■ 62.4436, 63.6671,
8.9979

Harmonies

Analogous

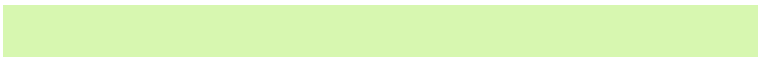
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9289, 83.8952, 49.7563



77.8463, 83.8952, 46.7408



69.0290, 83.8952, 53.4921

Triad

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



77.8463, 83.8952, 46.7408



65.1062, 83.8952, 127.4309



98.5994, 83.8952, 115.9715

Complementary

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



77.8463, 83.8952, 46.7408



49.8819, 48.4610, 101.3326

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.



91.5051, 83.8952, 143.8324



77.8463, 83.8952, 46.7408



72.0757, 83.8952, 151.3586

Square

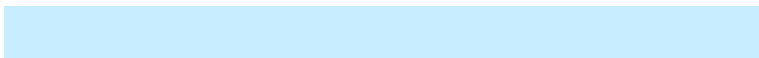
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8463, 83.8952, 46.7408



62.0790, 83.8952, 96.9239



81.6639, 83.8952, 157.9143



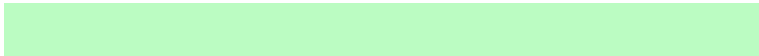
100.4678, 83.8952, 85.9894

Rectangle

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



77.8463, 83.8952, 46.7408



64.8738, 83.8952, 63.6655



81.6639, 83.8952, 157.9143



96.7194, 83.8952, 126.0758

Sweetspot

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



77.8484, 83.8990, 46.7425



89.0385, 94.6839, 86.2198



62.8781, 50.8714, 51.2695



18.9096, 20.1314, 17.9064



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

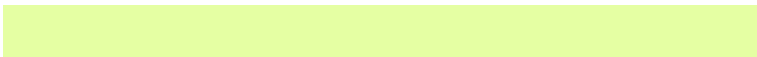
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8484, 83.8990, 46.7425



75.3365, 81.2324, 38.6385



74.6631, 90.8116, 48.2447



19.2241, 20.4163, 19.0719



32.7389, 33.4891, 4.7385



3.2640, 3.4135, 0.4868

Inverse Universe

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



49.8819, 48.4610, 101.3326



43.7893, 41.2724, 100.2662



52.1508, 44.2428, 100.3988



17.3068, 17.9851, 22.8093



10.1731, 5.2557, 49.9129



1.0643, 0.6593, 4.8844

Previews

White Background



This preview shows how the XYZ color 77.8463, 83.8952, 46.7408 looks on a white background.

Color Contrast Check

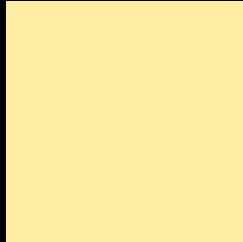
Large Text (above 18pt) WCAG AA × Fail

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 77.8463, 83.8952, 46.7408 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 77.8463, 83.8952, 46.7408

Background



This preview shows how black text looks on a background with the XYZ color 77.8463, 83.8952, 46.7408.



This preview shows how white text looks on a background with the XYZ color 77.8463, 83.8952,

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

77.8463, 83.8952, 46.7408

Protanopia

77.9363, 83.9312, 47.2146

Deuteranopia

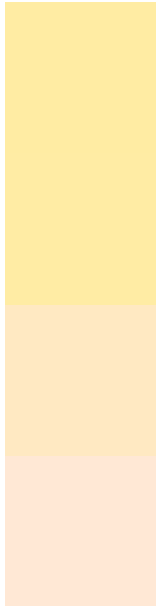
81.9803, 83.7267, 74.1274



Tritanopia

85.1365, 83.6495, 94.8779

Trichromacy



Original Color

77.8463, 83.8952, 46.7408

Protanomaly

77.9363, 83.9312, 47.2146

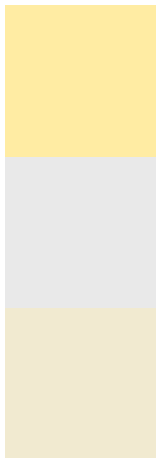
Deuteranomaly

80.1165, 83.4329, 62.9205

Tritanomaly

82.1069, 83.7773, 74.7939

Monochromacy



Original Color

77.8463, 83.8952, 46.7408

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.0836, 82.1005, 71.4587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8463, 83.8952, 46.7408 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, 236, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 163)  
}
```

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, 236, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 163) }
```

Border

The CSS property to change the border of an element to XYZ 77.8463, 83.8952, 46.7408 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, 236, 163) }
```


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

```
.border{ border-color:rgb(255, 236, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8463, 83.8952, 46.7408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 163) }
```

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

```
.background{ background-color: rgb(255,  
236, 163) }
```

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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