

Converting Colors

XYZ(115.3280, 103.2357,
47.1108)

Have a look what the booklet for
XYZ(115.3280, 103.2357, 47.1108)
contains.

XYZ(77.5806, 83.7890, 45.3417)	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(77.5806, 83.7890,
45.3417)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECA0
RGB	255, 236, 160
RGB Percent	100%, 93%, 63%
CMY	0.0000, 0.0745, 0.3725
CMYK	0.00, 0.07, 0.37, 0.00
HSL	48°, 100%, 81%
HSV	48°, 37%, 100%
XYZ	77.5806, 83.7890, 45.3417
YIQ	233.0170, 35.7200, -19.6080

Conversions

Conversions Part 2

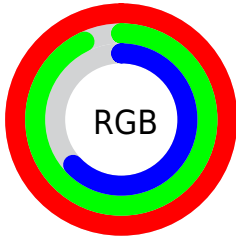
Format	Color
RYB	184, 255, 160
Decimal	16772256
CIELab	93.36, -4.10, 39.20
CIELCh	93, 39.412, 95.966
Yxy	83.7890, 0.3753, 0.4053
Android (android.graphics.Color)	4294962336 (0xFFFFECA0)
YUV	233.0170, -35.9974, 19.2791
Hunter-Lab	91.5363, -8.9029, 34.7067

Details

The XYZ color **77.5806, 83.7890, 45.3417** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.6669, 46.9323, 101.1014**, and the grayscale version is **77.7104, 81.7574, 89.0338**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **42.0011, 45.5744, 20.4930** is the 20% darker color. If you saturate the color by 10%, you get **74.1284, 80.0958, 34.2915**, and if you desaturate by 10%, it is **81.5364, 87.7568, 58.8189**.

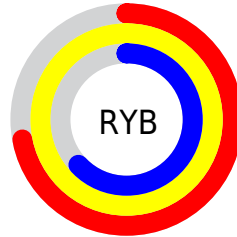
Distribution



Red (100%)

Green (93%)

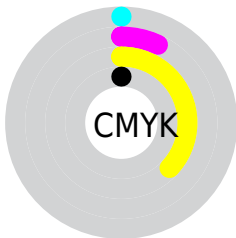
Blue (63%)



Red (72%)

Yellow (100%)

Blue (63%)

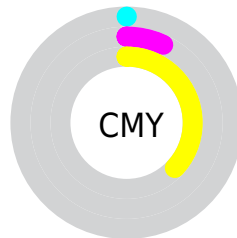


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5806, 83.7890, 45.3417 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 77.5806, 83.7890, 45.3417 by changing the saturation by 10% instead.

77.5806, 83.7890,
45.3417

77.5806, 83.7890,
45.3417

475.6030,
507.6123, 384.3561

58.0311, 62.8412,
31.3818

128.9272,
138.6800, 84.5568

42.0770, 45.7128,
20.6288

161.4551,
173.3920, 110.6490

29.3530, 32.0192,
12.6644

199.0397,
213.4609, 141.6225

19.4936, 21.3762,
7.0698

242.0466,
259.2710, 177.8956

12.1336, 13.3993,
3.4267

290.8410,
311.2069, 219.8870

6.9076, 7.7041,
1.3164

345.7883,

3.4502, 3.9062,

369.6528, 268.0152

0.0752

407.2538,
434.9931, 322.6987

■ 1.3961, 1.6212,
0.0000

■ 0.2534, 0.3718,
0.0000

■ 77.5806, 83.7890,
45.3417

■ 77.5806, 83.7890,
45.3417

■ 74.1284, 80.0958,
34.2915

■ 81.5364, 87.7568,
58.8189

■ 71.1451, 76.6536,
25.5146

■ 86.0158, 91.9985,
74.8536

■ 68.6011, 73.4531,
18.8479

■ 91.0449, 96.5283,
93.5734

■ 66.4607, 70.4793,
14.1043

95.0499, 100.0000,
108.9000

■ 64.6815, 67.7149,
11.0638

■ 63.2095, 65.1376,
9.4424

■ 62.8368, 64.4536,
9.1289

Harmonies

Analogous

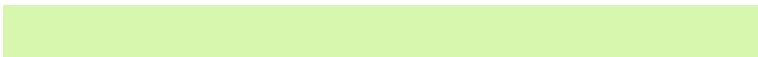
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0548, 83.7890, 48.3222



77.5806, 83.7890, 45.3417



68.4736, 83.7890, 52.3204

Triad

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



77.5806, 83.7890, 45.3417



64.5406, 83.7890, 129.1251



99.3116, 83.7890, 116.5719

Complementary

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



77.5806, 83.7890, 45.3417



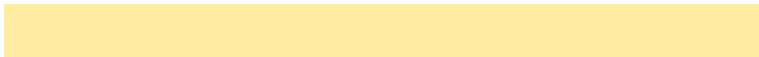
48.6669, 46.9323, 101.1014

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.



91.9565, 83.7890, 145.8105



77.5806, 83.7890, 45.3417



71.7771, 83.7890, 154.0911

Square

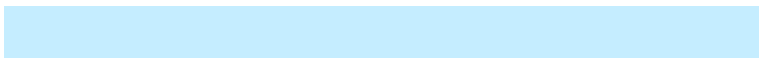
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5806, 83.7890, 45.3417



61.3776, 83.7890, 97.3085



81.7334, 83.7890, 160.7804



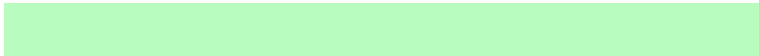
101.2046, 83.7890, 85.4138

Rectangle

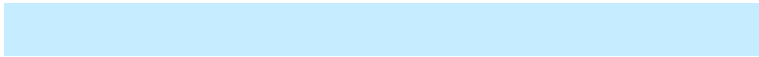
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5806, 83.7890, 45.3417



64.2053, 83.7890, 62.8126



81.7334, 83.7890, 160.7804



97.3666, 83.7890, 127.1430

Sweetspot

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



77.5827, 83.7929, 45.3434



89.0952, 94.7971, 86.2387



61.9481, 49.6572, 48.9686



18.9232, 20.1586, 17.9109



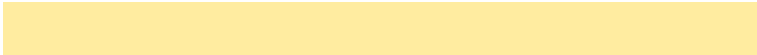
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

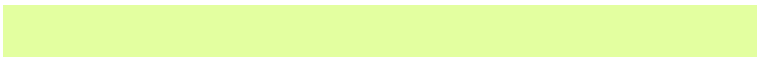
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5827, 83.7929, 45.3434



74.8649, 80.9065, 36.5784



73.6266, 90.3079, 46.8095



19.2346, 20.4374, 19.0754



32.9421, 33.8954, 4.8062



3.2821, 3.4496, 0.4929

Inverse Universe

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



48.6669, 46.9323, 101.1014



42.0388, 39.0800, 99.9352



51.4841, 43.1177, 100.2167



17.2970, 17.9657, 22.8060



10.1322, 5.1741, 49.8992



1.0590, 0.6487, 4.8827

Previews

White Background



This preview shows how the XYZ color 77.5806, 83.7890, 45.3417 looks on a white background.

Color Contrast Check

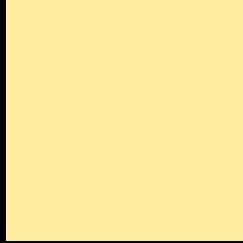
Large Text (above 18pt) WCAG AA × Fail

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 77.5806, 83.7890, 45.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

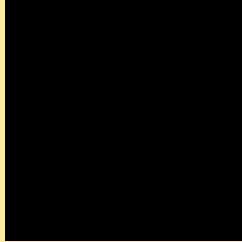
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.5806, 83.7890, 45.3417

Background



This preview shows how black text looks on a background with the XYZ color 77.5806, 83.7890, 45.3417.



This preview shows how white text looks on a background with the XYZ color 77.5806, 83.7890,

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

77.5806, 83.7890, 45.3417

Protanopia

77.8463, 83.8952, 46.7408

Deuteranopia

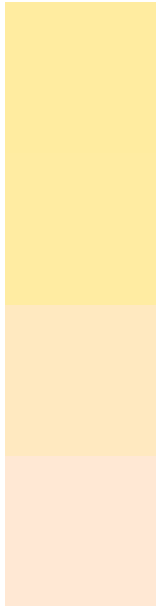
81.8545, 83.6764, 73.4650



Tritanopia

85.1365, 83.6495, 94.8779

Trichromacy



Original Color

77.5806, 83.7890, 45.3417

Protanomaly

77.7570, 83.8595, 46.2707

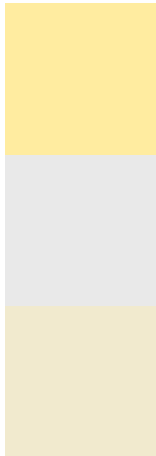
Deuteranomaly

79.8933, 83.3436, 61.7453

Tritanomaly

81.9803, 83.7267, 74.1274

Monochromacy



Original Color

77.5806, 83.7890, 45.3417

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.8390, 82.0026, 70.1708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5806, 83.7890, 45.3417 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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, 236, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 160) }
```

Border

The CSS property to change the border of an element to XYZ 77.5806, 83.7890, 45.3417 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, 160) }
```


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

```
.border{ border-color:rgb(255, 236, 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, 236, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5806, 83.7890, 45.3417 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, 160) }
```

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

```
.background{ background-color: rgb(255,  
236, 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](#).

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