

Converting Colors

XYZ(77.8678, 83.6638, 47.5938)

Have a look what the booklet for
XYZ(77.8678, 83.6638, 47.5938)
contains.

XYZ(77.7399, 83.3933, 47.5965)	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(77.7399, 83.3933,
47.5965)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBA5
RGB	255, 235, 165
RGB Percent	100%, 92%, 65%
CMY	0.0000, 0.0784, 0.3529
CMYK	0.00, 0.08, 0.35, 0.00
HSL	47°, 100%, 82%
HSV	47°, 35%, 100%
XYZ	77.7399, 83.3933, 47.5965
YIQ	233.0000, 34.3900, -17.5300

Conversions

Conversions Part 2

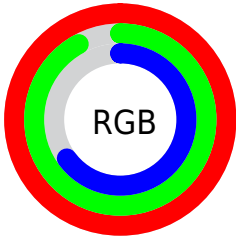
Format	Color
RYB	191, 255, 165
Decimal	16772005
CIELab	93.19, -3.03, 36.47
CIELCh	93, 36.591, 94.756
Yxy	83.3933, 0.3724, 0.3995
Android (android.graphics.Color)	4294962085 (0xFFFFEBA5)
YUV	233.0000, -33.5240, 19.2940
Hunter-Lab	91.3199, -7.8543, 33.0216

Details

The XYZ color **77.7399, 83.3933, 47.5965** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.9156, 49.9157, 101.5589**, and the grayscale version is **77.6802, 81.7256, 88.9992**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **42.0707, 45.2804, 21.8519** is the 20% darker color. If you saturate the color by 10%, you get **74.0509, 79.3666, 36.0354**, and if you desaturate by 10%, it is **81.9474, 87.7160, 61.6153**.

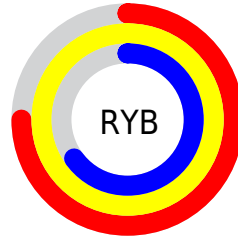
Distribution



Red (100%)

Green (92%)

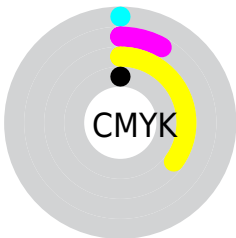
Blue (65%)



Red (75%)

Yellow (100%)

Blue (65%)

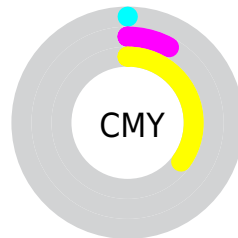


Cyan (0%)

Magenta (8%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7399, 83.3933, 47.5965 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 77.7399, 83.3933, 47.5965 by changing the saturation by 10% instead.


 77.7399, 83.3933,
47.5965


 77.7399, 83.3933,
47.5965


476.1364,
506.2964, 393.6530

 58.1624, 62.5147,
33.1497


 129.1507,
138.1262, 87.9626

 42.1830, 45.4487,
21.9691


 161.7147,
172.7492, 114.7190

 29.4363, 31.8110,
13.6361


199.3382,
212.7225, 146.4158

 19.5571, 21.2172,
7.7322

242.3867,
258.4304, 183.4714

 12.1799, 13.2828,
3.8387

291.2253,
310.2573, 226.3043

 6.9394, 7.6236,
1.5373

346.2196,

 3.4702, 3.8551,

368.5877, 275.3332

0.2455

407.7348,
433.8059, 330.9766

■ 1.4070, 1.5928,
0.0000

■ 0.2612, 0.3527,
0.0000

■ 77.7399, 83.3933,
47.5965

■ 77.7399, 83.3933,
47.5965

■ 74.0509, 79.3666,
36.0354

■ 81.9474, 87.7160,
61.6153

■ 70.8462, 75.6126,
26.7810

■ 86.6932, 92.3344,
78.2204

■ 68.0968, 72.1218,
19.6738

■ 92.0032, 97.2626,
97.5375

■ 65.7675, 68.8794,
14.5317

95.0500, 100.0000,
108.9000

■ 63.8177, 65.8683,
11.1422

■ 62.1969, 63.0677,
9.2430

■ 61.5143, 61.8085,
8.6881

Harmonies

Analogous

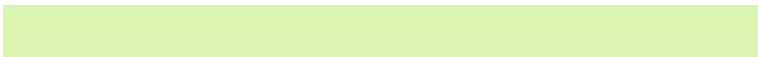
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4118, 83.3933, 50.8362



77.7399, 83.3933, 47.5965



69.1835, 83.3933, 53.8769

Triad

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



77.7399, 83.3933, 47.5965



65.0230, 83.3933, 124.4538



97.1886, 83.3933, 115.3058

Complementary

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



77.7399, 83.3933, 47.5965



50.9156, 49.9157, 101.5589

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.



90.2764, 83.3933, 141.6193



77.7399, 83.3933, 47.5965



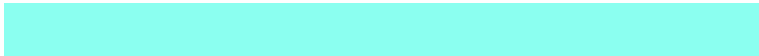
71.6367, 83.3933, 147.6055

Square

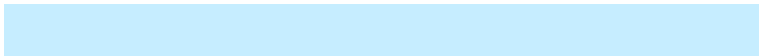
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7399, 83.3933, 47.5965



62.2293, 83.3933, 95.2620



80.8055, 83.3933, 154.4475



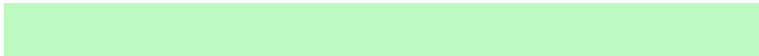
99.1515, 83.3933, 86.4817

Rectangle

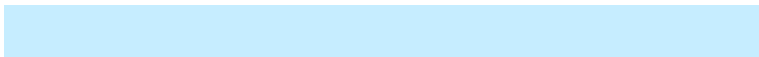
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7399, 83.3933, 47.5965



65.1023, 83.3933, 63.5458



80.8055, 83.3933, 154.4475



95.3409, 83.3933, 124.9107

Sweetspot

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



77.7419, 83.3971, 47.5982



88.9024, 94.4117, 86.1745



63.5587, 51.7163, 53.0877



18.8770, 20.0662, 17.8955



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

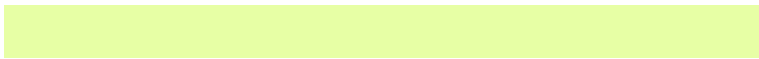
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7419, 83.3971, 47.5982



75.2113, 80.6628, 39.5809



75.5069, 91.2257, 49.2271



19.1988, 20.3658, 19.0634



32.2587, 32.5287, 4.5785



3.2212, 3.3277, 0.4725

Inverse Universe

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



50.9156, 49.9157, 101.5589



44.9388, 42.8948, 100.5187



52.4922, 44.9501, 100.5173



17.3302, 18.0320, 22.8171



10.2769, 5.4633, 49.9475



1.0775, 0.6858, 4.8888

Previews

White Background



This preview shows how the XYZ color 77.7399, 83.3933, 47.5965 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 77.7399, 83.3933, 47.5965 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 77.7399, 83.3933, 47.5965

Background



This preview shows how black text looks on a background with the XYZ color 77.7399, 83.3933, 47.5965.



This preview shows how white text looks on a background with the XYZ color 77.7399, 83.3933,

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

77.7399, 83.3933, 47.5965

Protanopia

77.3729, 83.2041, 47.5793

Deuteranopia

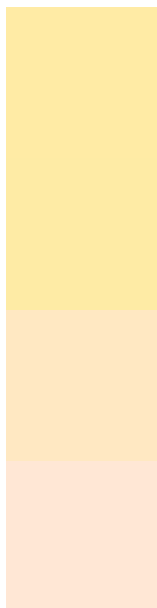
81.5738, 83.1150, 73.3714



Tritanopia

84.9875, 83.5899, 94.0932

Trichromacy



Original Color

77.7399, 83.3933, 47.5965

Protanomaly

77.3729, 83.2041, 47.5793

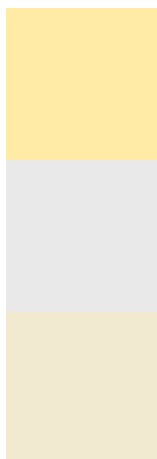
Deuteranomaly

79.8342, 82.8683, 62.8264

Tritanomaly

81.8262, 83.2159, 74.7004

Monochromacy



Original Color

77.7399, 83.3933, 47.5965

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 77.7399, 83.3933, 47.5965 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, 235, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 165)  
}
```

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, 235, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 165) }
```

Border

The CSS property to change the border of an element to XYZ 77.7399, 83.3933, 47.5965 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, 235, 165) }
```


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

```
.border{ border-color:rgb(255, 235, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7399, 83.3933, 47.5965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 165) }
```

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

```
.background{ background-color: rgb(255,  
235, 165) }
```

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