

Converting Colors

XYZ(109.0765, 100.0000,
48.5503)

Have a look what the booklet for
XYZ(109.0765, 100.0000, 48.5503)
contains.

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Color

**XYZ(77.9363, 83.9312,
47.2146)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECA4
RGB	255, 236, 164
RGB Percent	100%, 93%, 64%
CMY	0.0000, 0.0745, 0.3569
CMYK	0.00, 0.07, 0.36, 0.00
HSL	47°, 100%, 82%
HSV	47°, 36%, 100%
XYZ	77.9363, 83.9312, 47.2146
YIQ	233.4730, 34.4360, -18.3640

Conversions

Conversions Part 2

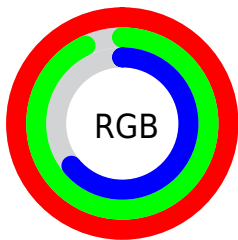
Format	Color
R_{YB}	188, 255, 164
Decimal	16772260
CIE _{Lab}	93.42, -3.65, 37.28
CIE _{LCh}	93, 37.454, 95.592
Yxy	83.9312, 0.3728, 0.4014
Android (android.graphics.Color)	4294962340 (0xFFFFECA4)
YUV	233.4730, -34.2502, 18.8792
Hunter-Lab	91.6140, -8.4739, 33.5738

Details

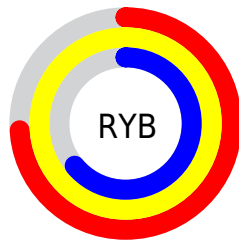
The XYZ color **77.9363, 83.9312, 47.2146** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.2930, 48.9780, 101.4107**, and the grayscale version is **78.0425, 82.1067, 89.4142**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **42.2165, 45.6605, 21.6272** is the 20% darker color. If you saturate the color by 10%, you get **74.3514, 80.0846, 35.7750**, and if you desaturate by 10%, it is **82.0327, 88.0615, 61.1045**.

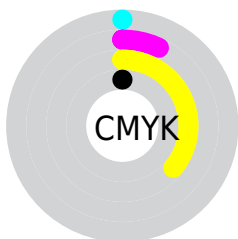
Distribution



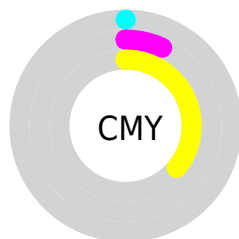
- Red (100%)
- Green (93%)
- Blue (64%)



- Red (74%)
- 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 77.9363, 83.9312, 47.2146 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 77.9363, 83.9312, 47.2146 by changing the saturation by 10% instead.


 77.9363, 83.9312,
47.2146


 77.9363, 83.9312,
47.2146


476.7936,
508.0847, 392.0890

 58.3243, 62.9586,
32.8498


 129.4262,
138.8789, 87.3872

 42.3137, 45.8077,
21.7412


 162.0347,
173.6229, 114.0321

 29.5392, 32.0941,
13.4704

199.7061,
213.7261, 145.6073

 19.6354, 21.4334,
7.6187

242.8057,
259.5730, 182.5316

 12.2370, 13.4412,
3.7677

291.6989,
311.5479, 225.2233

 6.9786, 7.7330,
1.4988

346.7511,

 3.4950, 3.9246,

370.0352, 274.1011

0.2170

408.3275,
435.4194, 329.5835

■ 1.4206, 1.6315,
0.0000

■ 0.2708, 0.3787,
0.0000

■ 77.9363, 83.9312,
47.2146

■ 77.9363, 83.9312,
47.2146

■ 74.3514, 80.0846,
35.7750

■ 82.0327, 88.0615,
61.1045

■ 71.2438, 76.4983,
26.6342

■ 86.6603, 92.4750,
77.5735

■ 68.5843, 73.1632,
19.6319

■ 91.8451, 97.1856,
96.7478

■ 66.3378, 70.0644,
14.5852

95.0500, 100.0000,
108.9000

■ 64.4634, 67.1849,
11.2800

■ 62.9102, 64.5038,
9.4514

■ 62.3077, 63.3955,
8.9526

Harmonies

Analogous

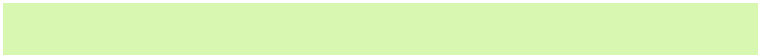
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8881, 83.9312, 50.2424



77.9363, 83.9312, 47.2146



69.2161, 83.9312, 53.8868

Triad

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



77.9363, 83.9312, 47.2146



65.2959, 83.9312, 126.8672



98.3626, 83.9312, 115.7742

Complementary

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



77.9363, 83.9312, 47.2146



50.2930, 48.9780, 101.4107

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.



91.3546, 83.9312, 143.1781



77.9363, 83.9312, 47.2146



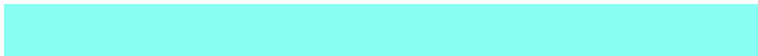
72.1755, 83.9312, 150.4530

Square

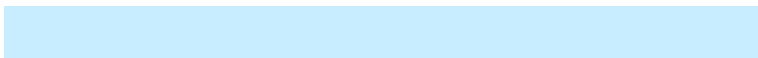
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9363, 83.9312, 47.2146



62.3148, 83.9312, 96.7943



81.6405, 83.9312, 156.9659



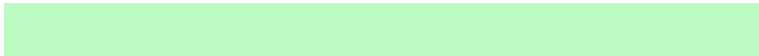
100.2233, 83.9312, 86.1845

Rectangle

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



77.9363, 83.9312, 47.2146



65.0989, 83.9312, 63.9513



81.6405, 83.9312, 156.9659



96.5040, 83.9312, 125.7233

Sweetspot

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



77.9383, 83.9350, 47.2163



89.0188, 94.6445, 86.2133



63.1381, 51.2606, 51.7594



18.9049, 20.1220, 17.9048



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

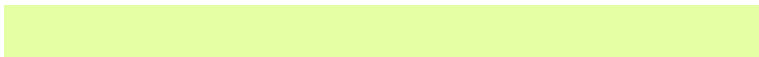
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9383, 83.9350, 47.2163



75.2664, 81.0921, 38.6152



74.8435, 90.8942, 48.7227



19.2204, 20.4090, 19.0706



32.6688, 33.3488, 4.7151



3.2578, 3.4010, 0.4847

Inverse Universe

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



50.2930, 48.9780, 101.4107



43.8352, 41.3644, 100.2815



52.5074, 44.6912, 100.4666



17.3102, 17.9919, 22.8104



10.1876, 5.2847, 49.9177



1.0662, 0.6631, 4.8851

Previews

White Background



This preview shows how the XYZ color 77.9363, 83.9312, 47.2146 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 77.9363, 83.9312, 47.2146 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 77.9363, 83.9312, 47.2146

Background



This preview shows how black text looks on a background with the XYZ color 77.9363, 83.9312, 47.2146.



This preview shows how white text looks on a background with the XYZ color 77.9363, 83.9312,

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

77.9363, 83.9312, 47.2146

Protanopia

77.9363, 83.9312, 47.2146

Deuteranopia

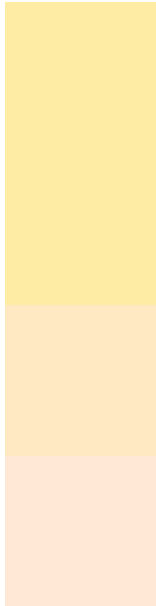
81.9803, 83.7267, 74.1274



Tritanopia

85.1365, 83.6495, 94.8779

Trichromacy



Original Color

77.9363, 83.9312, 47.2146

Protanomaly

77.9363, 83.9312, 47.2146

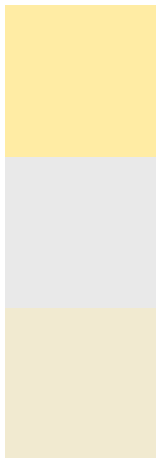
Deuteranomaly

80.2292, 83.4780, 63.5141

Tritanomaly

82.1069, 83.7773, 74.7939

Monochromacy



Original Color

77.9363, 83.9312, 47.2146

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 77.9363, 83.9312, 47.2146 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 164) }
```

Border

The CSS property to change the border of an element to XYZ 77.9363, 83.9312, 47.2146 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, 164) }
```


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

```
.border{ border-color:rgb(255, 236, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9363, 83.9312, 47.2146 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, 164) }
```

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

```
.background{ background-color: rgb(255,  
236, 164) }
```

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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