

Converting Colors

XYZ(77.9531, 92.9095, 48.1813)

Have a look what the booklet for
XYZ(77.9531, 92.9095, 48.1813)
contains.

XYZ(77.5415, 92.3058, 47.9123)	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(77.5415, 92.3058,
47.9123)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFFA2
RGB	238, 255, 162
RGB Percent	93%, 100%, 64%
CMY	0.0667, 0.0000, 0.3647
CMYK	0.07, 0.00, 0.36, 0.00
HSL	71°, 100%, 82%
HSV	71°, 36%, 100%
XYZ	77.5415, 92.3058, 47.9123
YIQ	239.3150, 19.7210, -32.5270

Conversions

Conversions Part 2

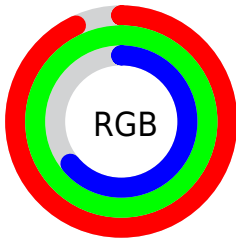
Format	Color
RYB	162, 255, 179
Decimal	15663010
CIELab	96.95, -19.63, 42.61
CIELCh	97, 46.917, 114.739
Yxy	92.3058, 0.3561, 0.4239
Android (android.graphics.Color)	4293853090 (0xFFEEFFA2)
YUV	239.3150, -38.1163, -1.1533
Hunter-Lab	96.0759, -24.0680, 37.6857

Details

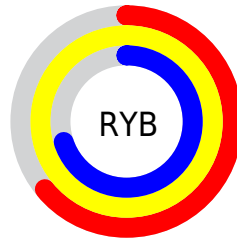
The XYZ color **77.5415, 92.3058, 47.9123** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.5618, 42.6456, 100.2270**, and the grayscale version is **82.5657, 86.8656, 94.5966**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **42.0105, 51.3161, 22.1588** is the 20% darker color. If you saturate the color by 10%, you get **73.9548, 90.6926, 37.0879**, and if you desaturate by 10%, it is **81.6290, 94.1240, 61.1618**.

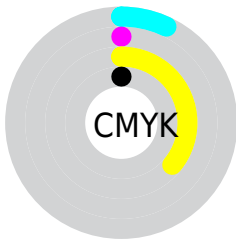
Distribution



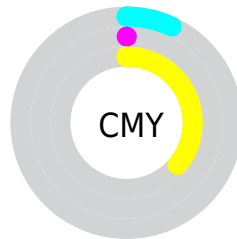
- Red (93%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (70%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5415, 92.3058, 47.9123 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 77.5415, 92.3058, 47.9123 by changing the saturation by 10% instead.

77.5415, 92.3058,
47.9123

77.5415, 92.3058,
47.9123

475.4720,
535.5033, 394.9431

57.9989, 69.8946,
33.3979

128.8724,
150.5372, 88.4380

42.0510, 51.4407,
22.1579

161.3913,
187.1261, 115.2864

29.3325, 36.5594,
13.7735

198.9665,
229.2099, 147.0833

19.4781, 24.8666,
7.8264

241.9631,
277.1727, 184.2471

12.1223, 15.9777,
3.8979

290.7466,
331.3991, 227.1965

6.8998, 9.5083,
1.5695

345.6824,

3.4453, 5.0742,

392.2734, 276.3499

0.2689

407.1357,
460.1800, 332.1259

■ 1.3934, 2.2909,
0.0000

■ 0.2515, 0.7689,
0.0000

■ 77.5415, 92.3058,
47.9123

■ 77.5415, 92.3058,
47.9123

■ 73.9548, 90.6926,
37.0879

■ 81.6290, 94.1240,
61.1618

■ 70.8397, 89.2728,
28.5374

■ 86.2423, 96.1572,
76.9673

■ 68.1652, 88.0338,
22.0989

■ 91.4058, 98.4152,
95.4551

■ 65.8960, 86.9614,
17.5875

95.0500, 100.0000,
108.9000

■ 63.9904, 86.0391,
14.7862

■ 62.3968, 85.2461,
13.4240

■ 61.8812, 84.9860,
13.1425

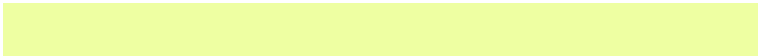
Harmonies

Analogous

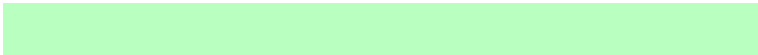
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0805, 92.3058, 44.1346



77.5415, 92.3058, 47.9123



68.6097, 92.3058, 64.1302

Triad

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



77.5415, 92.3058, 47.9123



73.8900, 92.3058, 172.2547



115.4935, 92.3058, 107.3151

Complementary

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



77.5415, 92.3058, 47.9123



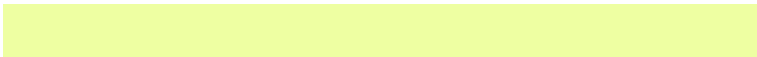
49.5618, 42.6456, 100.2270

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.



110.1176, 92.3058, 148.5467



77.5415, 92.3058, 47.9123



85.4284, 92.3058, 191.5855

Square

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



77.5415, 92.3058, 47.9123



66.6542, 92.3058, 134.0731



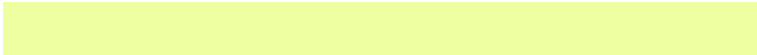
98.7825, 92.3058, 181.9721



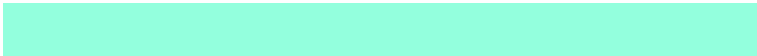
112.8463, 92.3058, 73.0675

Rectangle

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



77.5415, 92.3058, 47.9123



65.4679, 92.3058, 82.5708



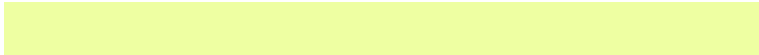
98.7825, 92.3058, 181.9721



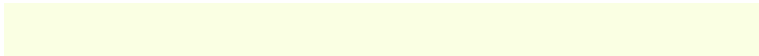
114.5500, 92.3058, 120.8652

Sweetspot

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



77.5418, 92.3059, 47.9136



88.9969, 97.3637, 86.7393



63.5833, 55.5118, 41.5473



18.8995, 20.7745, 18.0310



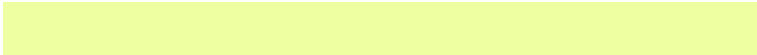
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

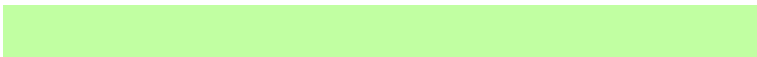
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5418, 92.3059, 47.9136



74.7956, 91.0726, 39.5439



64.2746, 85.4664, 47.2927



19.2164, 20.9130, 19.1681



32.4518, 44.4676, 6.8727



3.2405, 4.3713, 0.6730

Inverse Universe

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



49.5618, 42.6456, 100.2270



43.0103, 34.6242, 99.0240



61.7115, 48.9090, 100.7956



17.3127, 17.5374, 22.7225



10.1233, 4.1292, 49.6980



1.0651, 0.4430, 4.8426

Previews

White Background



This preview shows how the XYZ color 77.5415, 92.3058, 47.9123 looks on a white background.

Color Contrast Check

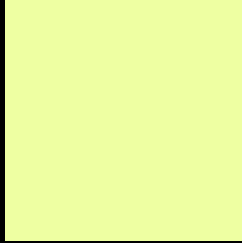
Large Text (above 18pt) WCAG AA × Fail

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 77.5415, 92.3058, 47.9123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

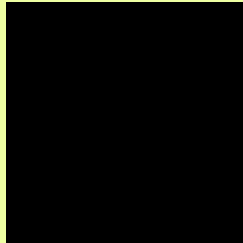
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

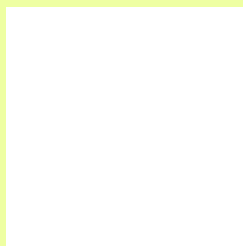
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5415, 92.3058, 47.9123

Background



This preview shows how black text looks on a background with the XYZ color 77.5415, 92.3058, 47.9123.



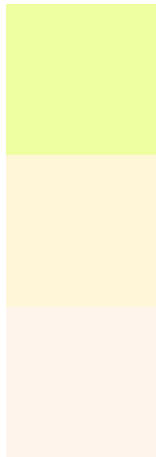
This preview shows how white text looks on a background with the XYZ color 77.5415, 92.3058,

47.9123.

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

77.5415, 92.3058, 47.9123

Protanopia

86.4615, 92.0778, 77.5058

Deuteranopia

88.5861, 91.9595, 91.6782



Tritanopia

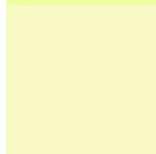
89.4676, 92.0611, 107.6619

Trichromacy



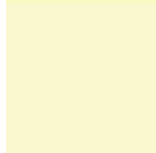
Original Color

77.5415, 92.3058, 47.9123



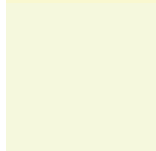
Protanomaly

82.9064, 91.8766, 65.5889



Deuteranomaly

84.0195, 91.8286, 72.9709



Tritanomaly

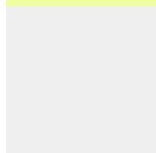
84.2747, 91.7677, 81.6778

Monochromacy



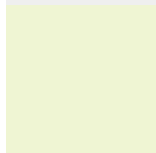
Original Color

77.5415, 92.3058, 47.9123



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0069, 88.3587, 74.4661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5415, 92.3058, 47.9123 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(238, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 162)  
}
```

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(238, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 77.5415, 92.3058, 47.9123 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(238, 255, 162) }
```


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

```
.border{ border-color:rgb(238, 255, 162) }
```

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

Here you see how a box with a 4 pixel rgb(238, 255, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5415, 92.3058, 47.9123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 162) }
```

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

```
.background{ background-color: rgb(238,  
255, 162) }
```

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