

# Converting Colors

XYZ(47.5850, 77.0073, 39.9738)

Have a look what the booklet for  
XYZ(47.5850, 77.0073, 39.9738)  
contains.

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# Color

**XYZ(47.5820, 77.0061,  
39.9596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FFF93
RGB	111, 255, 147
RGB Percent	44%, 100%, 58%
CMY	0.5647, 0.0000, 0.4235
CMYK	0.56, 0.00, 0.42, 0.00
HSL	135°, 100%, 72%
HSV	135°, 56%, 100%
XYZ	47.5820, 77.0061, 39.9596
YIQ	199.6320, -51.1560, -64.1160

# Conversions

## Conversions Part 2

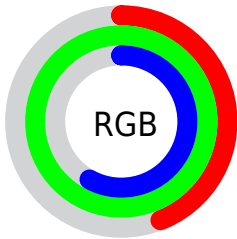
Format	Color
<a href="#">RYB</a>	<a href="#">111, 226, 255</a>
Decimal	<a href="#">7339923</a>
CIELab	<a href="#">90.32, -61.28, 40.13</a>
CIELCh	<a href="#">90, 73.250, 146.784</a>
Yxy	<a href="#">77.0061, 0.2892, 0.4680</a>
Android (android.graphics.Color)	<a href="#">4285530003 (0xFF6FFF93)</a>
YUV	<a href="#">199.6320, -25.9476, -77.7303</a>
Hunter-Lab	<a href="#">87.7531, -56.7807, 34.4287</a>

# Details

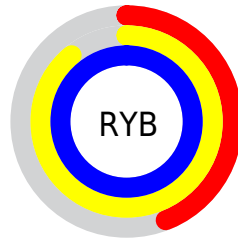
The XYZ color **47.5820, 77.0061, 39.9596** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.7106, 37.7436, 71.1551**, and the grayscale version is **54.8503, 57.7068, 62.8427**.

A 20% lighter version of the original color is **63.4339, 84.5549, 68.8545**, and **22.8311, 41.1708, 17.5699** is the 20% darker color. If you saturate the color by 10%, you get **43.4403, 75.0302, 32.5728**, and if you desaturate by 10%, it is **52.8897, 79.5542, 48.7058**.

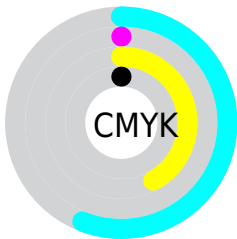
# Distribution



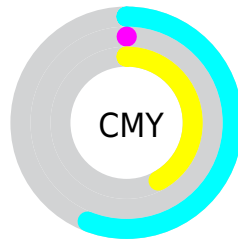
- Red (44%)
- Green (100%)
- Blue (58%)



- Red (44%)
- Yellow (89%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5820, 77.0061, 39.9596 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 47.5820, 77.0061, 39.9596 by changing the saturation by 10% instead.





 47.5820, 77.0061,  
39.9596

 47.5820, 77.0061,  
39.9596

367.7431,  
484.7848, 361.5003


 33.7059, 57.2579,  
27.1935


 85.7952, 129.1481,  
76.3384

 22.8295, 41.2123,  
17.4849


 110.8629,  
162.3107, 100.7882

 14.5877, 28.4850,  
10.4152


 140.3919,  
200.7135, 129.9696

 8.6150, 18.6916,  
5.5659

174.7475,  
244.7409, 164.3012

 4.5460, 11.4476,  
2.5185

214.2951,  
294.7773, 204.2016

 2.0154, 6.3688,  
0.8499

259.4000,

 0.6426, 3.0706,

351.2072, 250.0892

0.0000

310.4275,  
414.4149, 302.3826

0.0000, 1.1687,  
0.0000

0.0000, 0.0359,  
0.0000

47.5820, 77.0061,  
39.9596

47.5820, 77.0061,  
39.9596

43.4403, 75.0302,  
32.5728

52.8897, 79.5542,  
48.7058

40.3706, 73.5795,  
26.4731


59.4443, 82.7150,  
58.8713


38.2661, 72.6006,  
21.5867

67.3209, 86.5259,  
70.5171

36.9942, 72.0267,  
17.8309

76.5881, 91.0212,  
83.6995

 36.6784, 71.8874,  
16.7562

 87.3099, 96.2326,  
98.4716

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



58.4889, 77.0061, 22.3205



47.5820, 77.0061, 39.9596



43.4462, 77.0061, 78.3330

# Triad

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



47.5820, 77.0061, 39.9596



71.2406, 77.0061, 229.5583



109.2050, 77.0061, 46.2200

# Complementary

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



47.5820, 77.0061, 39.9596



59.7106, 37.7436, 71.1551

# 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.



114.1212, 77.0061, 89.6130



47.5820, 77.0061, 39.9596



90.1732, 77.0061, 209.3858

# Square

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



47.5820, 77.0061, 39.9596



55.6009, 77.0061, 199.1768



106.6541, 77.0061, 151.8375



94.1496, 77.0061, 24.7363



# Rectangle

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



47.5820, 77.0061, 39.9596



44.4711, 77.0061, 116.3476



106.6541, 77.0061, 151.8375



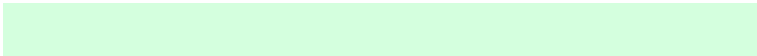
112.1962, 77.0061, 58.0431

# Sweetspot

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



47.5825, 77.0063, 39.9608



76.0609, 90.7652, 82.9613



67.8429, 87.7279, 28.3969



15.8604, 19.2237, 17.1669



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.



47.5825, 77.0063, 39.9608



42.9036, 74.7754, 31.5578



55.1020, 80.0141, 79.5582



17.9578, 20.2427, 20.0809



19.2151, 37.5826, 9.0177



1.9124, 3.6759, 1.0965



# Inverse Universe

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



59.7106, 37.7436, 71.1551



56.0665, 31.9701, 65.2706



52.1912, 34.7359, 31.5582



18.5872, 18.2182, 21.7093



26.5398, 13.1052, 27.2905

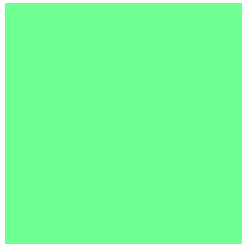


2.6278, 1.2935, 2.8871



# Previews

## White Background



This preview shows how the XYZ color 47.5820, 77.0061, 39.9596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

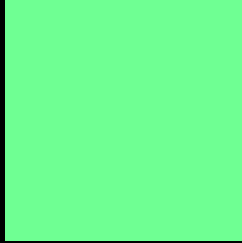
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5820, 77.0061, 39.9596 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 47.5820, 77.0061, 39.9596**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5820, 77.0061, 39.9596.



This preview shows how white text looks on a background with the XYZ color 47.5820, 77.0061,

39.9596.

# 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

47.5820, 77.0061, 39.9596

### Protanopia

69.9981, 75.9444, 34.2620

### Deuteranopia

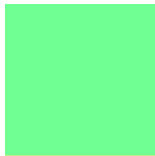
75.2232, 75.3837, 55.9332



## Tritanopia

63.6144, 76.5301, 106.0267

# Trichromacy



## Original Color

47.5820, 77.0061, 39.9596



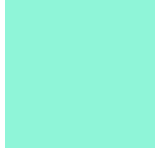
## Protanomaly

58.3065, 74.4676, 36.1115



## Deuteranomaly

60.8359, 73.3500, 49.4797



## Tritanomaly

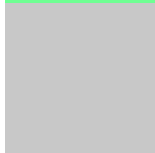
56.3748, 76.1023, 76.6837

# Monochromacy



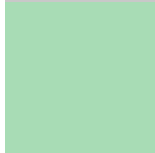
## Original Color

47.5820, 77.0061, 39.9596



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

50.0821, 62.8474, 53.2072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5820, 77.0061, 39.9596 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(111, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 147)  
}
```

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(111, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5820, 77.0061, 39.9596 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(111, 255, 147) }
```



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

```
.border{ border-color:rgb(111, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5820, 77.0061, 39.9596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 147) }
```

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

```
.background{ background-color: rgb(111,  
255, 147) }
```

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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