

Converting Colors

XYZ(53.0848, 77.0130, 12.2944)

Have a look what the booklet for
XYZ(53.0848, 77.0130, 12.2944)
contains.

XYZ(53.1397, 77.2196, 12.3339)	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(53.1397, 77.2196,
12.3339)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F808
RGB	183, 248, 8
RGB Percent	72%, 97%, 3%
CMY	0.2824, 0.0274, 0.9685
CMYK	0.26, 0.00, 0.97, 0.03
HSL	76°, 94%, 50%
HSV	76°, 97%, 97%
XYZ	53.1397, 77.2196, 12.3339
YIQ	201.2050, 38.3000, -88.4200

Conversions

Conversions Part 2

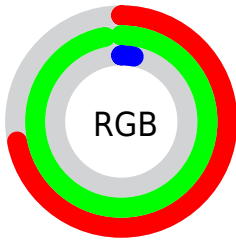
Format	Color
R _Y B	8, 248, 73
Decimal	12056584
CIE Lab	90.42, -46.81, 86.72
CIE LCh	90, 98.546, 118.362
Yxy	77.2196, 0.3724, 0.5412
Android (android.graphics.Color)	4290246664 (0xFFB7F808)
YUV	201.2050, -95.2501, -15.9658
Hunter-Lab	87.8747, -45.8379, 53.1905

Details

The XYZ color **53.1397, 77.2196, 12.3339** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **19.7825, 8.3704, 89.3844**, and the grayscale version is **56.2054, 59.1324, 64.3952**.

A 20% lighter version of the original color is **75.1338, 91.5793, 24.5431**, and **26.7992, 41.4726, 6.5925** is the 20% darker color. If you saturate the color by 10%, you get **52.5834, 76.9404, 12.0796**, and if you desaturate by 10%, it is **55.0062, 78.1580, 13.6140**.

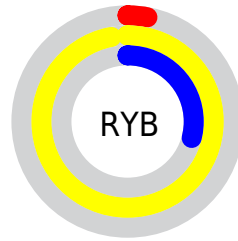
Distribution



Red (72%)

Green (97%)

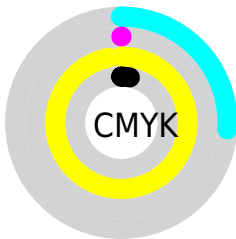
Blue (3%)



Red (3%)

Yellow (97%)

Blue (29%)

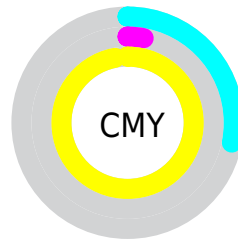


Cyan (26%)

Magenta (0%)

Yellow (97%)

Black (3%)



Cyan (28%)


Magenta (3%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1397, 77.2196, 12.3339 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 53.1397, 77.2196, 12.3339 by changing the saturation by 10% instead.


 53.1397, 77.2196,
12.3339


 53.1397, 77.2196,
12.3339


389.0730,
485.5124, 217.6592


 38.1422, 57.4331,
6.8462


 93.9742, 129.4494,
30.7752

 26.2708, 41.3531,
3.2891


 120.5420,
162.6616, 44.5660


 17.1601, 28.5951,
1.2441

 151.6972,
201.1177, 61.9615

 10.4447, 18.7747,
0.0153

 187.8053,
245.2023, 83.3802

 5.7593, 11.5076,
0.0000

 229.2315,
295.2996, 109.2409

 2.7385, 6.4094,
0.0000

 276.3413,

 1.0171, 3.0956,

351.7942, 139.9619

0.0000

329.5000,
415.0703, 175.9618

■ 0.0000, 1.1818,
0.0000

■ 0.0000, 0.0468,
0.0000

■ 53.1397, 77.2196,
12.3339

■ 53.1397, 77.2196,
12.3339

■ 52.5834, 76.9404,
12.0796

■ 55.0062, 78.1580,
13.6140

■ 57.2023, 79.2344,
16.2341

■ 59.7797, 80.4724,
20.4529

■ 62.7779, 81.8878,
26.4738

66.2308, 83.4945,
34.4702

70.1685, 85.3044,
44.5950

74.6179, 87.3285,
56.9862

79.6042, 89.5770,
71.7701

85.1503, 92.0591,
89.0636

Harmonies

Analogous

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



74.7553, 77.2196, 8.3531



53.1397, 77.2196, 12.3339



40.0397, 77.2196, 31.1578

Triad

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



53.1397, 77.2196, 12.3339



51.2737, 77.2196, 260.1902



131.5578, 77.2196, 88.0111

Complementary

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



53.1397, 77.2196, 12.3339



19.7825, 8.3704, 89.3844

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.



121.4816, 77.2196, 177.0386



53.1397, 77.2196, 12.3339



72.0511, 77.2196, 305.1992

Square

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



53.1397, 77.2196, 12.3339



39.1437, 77.2196, 166.2473



98.2364, 77.2196, 268.5003



123.3834, 77.2196, 34.7478

Rectangle

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



53.1397, 77.2196, 12.3339



36.1300, 77.2196, 59.6050



98.2364, 77.2196, 268.5003



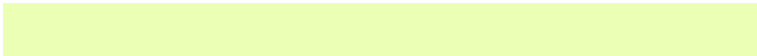
130.1564, 77.2196, 114.4745

Sweetspot

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



53.1415, 77.2230, 12.3355



78.3557, 92.5148, 57.4703



41.0767, 24.6137, 2.8168



16.3351, 19.6036, 11.0813



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.



53.1415, 77.2230, 12.3355



55.9906, 81.9493, 12.8668



35.7295, 68.2469, 11.5207



18.2419, 19.9405, 18.3498



28.5453, 41.6339, 6.5317



2.7450, 3.9082, 0.6097

Inverse Universe

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



19.7825, 8.3704, 89.3844



20.5098, 8.4881, 95.1651



38.7730, 18.1604, 90.2732



16.7242, 16.8704, 21.7602



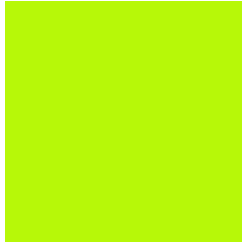
10.5240, 4.3680, 48.2620



1.0714, 0.4544, 4.4744

Previews

White Background



This preview shows how the XYZ color 53.1397, 77.2196, 12.3339 looks on a white background.

Color Contrast Check

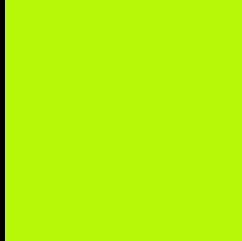
Large Text (above 18pt) WCAG AA × Fail

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 53.1397, 77.2196, 12.3339 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 53.1397, 77.2196, 12.3339

Background



This preview shows how black text looks on a background with the XYZ color 53.1397, 77.2196, 12.3339.



This preview shows how white text looks on a background with the XYZ color 53.1397, 77.2196,

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

53.1397, 77.2196, 12.3339

Protanopia

69.1637, 76.3800, 13.4804

Deuteranopia

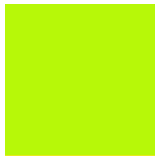
75.0991, 76.5977, 51.3841



Tritanopia

71.1284, 77.1132, 100.7580

Trichromacy



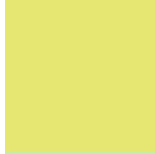
Original Color

53.1397, 77.2196, 12.3339



Protanomaly

62.2688, 76.1736, 12.7174



Deuteranomaly

63.9263, 75.0247, 27.0315



Tritanomaly

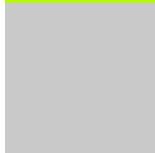
60.0059, 75.1473, 45.0605

Monochromacy



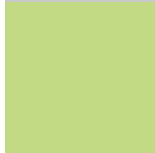
Original Color

53.1397, 77.2196, 12.3339



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.4163, 63.2508, 30.9714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1397, 77.2196, 12.3339 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(183, 248, 8)` looks like.

```
.text, #text, p{  
    color:rgb(183, 248, 8)  
}
```

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(183, 248, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 248, 8) }
```

Border

The CSS property to change the border of an element to XYZ 53.1397, 77.2196, 12.3339 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(183, 248, 8) }
```


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

```
.border{ border-color:rgb(183, 248, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 248, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 248, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 248, 8);  
box-shadow:4px 4px 4px 4px rgb(183, 248,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1397, 77.2196, 12.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 248, 8) }
```

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

```
.background{ background-color: rgb(183,  
248, 8) }
```

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