

Converting Colors

XYZ(53.0266, 76.8702, 12.0426)

Have a look what the booklet for
XYZ(53.0266, 76.8702, 12.0426)
contains.

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Color

**XYZ(53.0279, 76.7119,
12.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	B8F700
RGB	184, 247, 0
RGB Percent	72%, 97%, 0%
CMY	0.2784, 0.0314, 0.9999
CMYK	0.26, 0.00, 1.00, 0.03
HSL	75°, 100%, 48%
HSV	75°, 100%, 97%
XYZ	53.0279, 76.7119, 12.0120
YIQ	200.0050, 41.7390, -90.1730

Conversions

Conversions Part 2

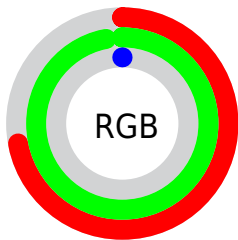
Format	Color
RYB	0, 247, 63
Decimal	12121856
CIELab	90.19, -46.09, 87.16
CIElCh	90, 98.601, 117.871
Yxy	76.7119, 0.3741, 0.5412
Android (android.graphics.Color)	4290311936 (0xFFB8F700)
YUV	200.0050, -98.6025, -14.0364
Hunter-Lab	87.5853, -45.2028, 53.1783

Details

The XYZ color **53.0279, 76.7119, 12.0120** 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 **18.8424, 7.7747, 88.5079**, and the grayscale version is **55.4777, 58.3669, 63.5615**.

A 20% lighter version of the original color is **75.3920, 91.7228, 24.0866**, and **26.7256, 41.1120, 6.5268** is the 20% darker color. If you saturate the color by 10%, you get **53.0272, 76.7141, 12.0125**, and if you desaturate by 10%, it is **54.7455, 77.5800, 12.9939**.

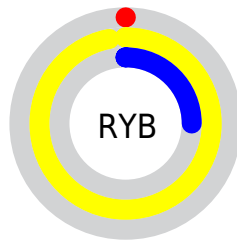
Distribution



Red (72%)

Green (97%)

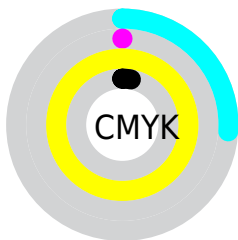
Blue (0%)



Red (0%)

Yellow (97%)

Blue (25%)

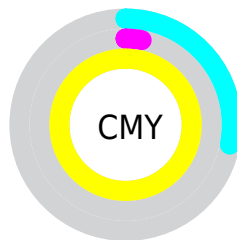


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (28%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0279, 76.7119, 12.0120 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 53.0279, 76.7119, 12.0120 by changing the saturation by 10% instead.


 53.0279, 76.7119,
12.0120

 53.0279, 76.7119,
12.0120


388.6513,
483.7812, 215.4654


 38.0526, 57.0165,
6.6292


 93.8107, 128.7327,
30.1817

 26.2009, 41.0184,
3.1564


 120.3489,
161.8269, 43.8057


 17.1075, 28.3335,
1.1750


 151.4722,
200.1561, 61.0138

 10.4069, 18.5772,
0.0000

 187.5458,
244.1047, 82.2246

 5.7339, 11.3652,
0.0000

 228.9352,
294.0571, 107.8566

 2.7231, 6.3130,
0.0000

 276.0056,

 1.0091, 3.0363,

350.3977, 138.3284

0.0000

329.1226,
413.5110, 174.0585

■ 0.0000, 1.1507,
0.0000

■ 0.0000, 0.0209,
0.0000

■ 53.0279, 76.7119,
12.0120

■ 53.0279, 76.7119,
12.0120

■ 53.0272, 76.7141,
12.0125

■ 54.7455, 77.5800,
12.9939

■ 56.7481, 78.5672,
15.1284

■ 59.1056, 79.7043,
18.7723

■ 61.8596, 81.0081,
24.1398

■ 65.0450, 82.4926,
31.4109

■ 68.6924, 84.1701,
40.7427

■ 72.8295, 86.0519,
52.2762

■ 77.4813, 88.1479,
66.1399

■ 82.6711, 90.4677,
82.4524

Harmonies

Analogous

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



74.6766, 76.7119, 8.2269



53.0279, 76.7119, 12.0120



39.8450, 76.7119, 30.3502

Triad

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



53.0279, 76.7119, 12.0120



50.6140, 76.7119, 257.8557



130.8647, 76.7119, 88.6394

Complementary

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



53.0279, 76.7119, 12.0120



18.8424, 7.7747, 88.5079

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.



120.5393, 76.7119, 177.8137



53.0279, 76.7119, 12.0120



71.1762, 76.7119, 303.9809

Square

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



53.0279, 76.7119, 12.0120



38.6866, 76.7119, 163.8304



97.2337, 76.7119, 268.6293



123.0029, 76.7119, 34.9890

Rectangle

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



53.0279, 76.7119, 12.0120



35.8650, 76.7119, 58.2597



97.2337, 76.7119, 268.6293



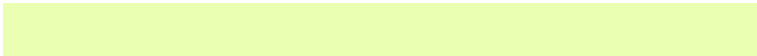
129.3651, 76.7119, 115.2094

Sweetspot

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



53.0297, 76.7153, 12.0136



78.2670, 92.4990, 56.1122



40.0706, 23.1965, 2.3665



16.3365, 19.6100, 10.8271



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.



53.0297, 76.7153, 12.0136



56.9814, 82.4600, 12.9131



35.2355, 67.5421, 11.1809



17.4778, 19.0884, 17.5608



28.1812, 40.6408, 6.3591



2.5714, 3.6206, 0.5633

Inverse Universe

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



18.8424, 7.7747, 88.5079



20.2336, 8.3457, 95.1522



36.8610, 17.0636, 89.3511



15.9774, 16.1310, 20.8141



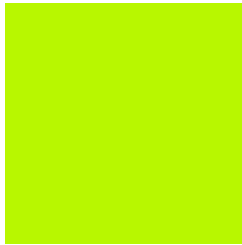
10.0739, 4.1676, 46.8115



0.9768, 0.4134, 4.1185

Previews

White Background



This preview shows how the XYZ color 53.0279, 76.7119, 12.0120 looks on a white background.

Color Contrast Check

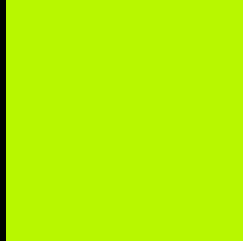
Large Text (above 18pt) WCAG AA × Fail

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 53.0279, 76.7119, 12.0120 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 53.0279, 76.7119, 12.0120

Background



This preview shows how black text looks on a background with the XYZ color 53.0279, 76.7119, 12.0120.



This preview shows how white text looks on a background with the XYZ color 53.0279, 76.7119,

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

53.0279, 76.7119, 12.0120

Protanopia

68.7639, 76.2201, 11.3749

Deuteranopia

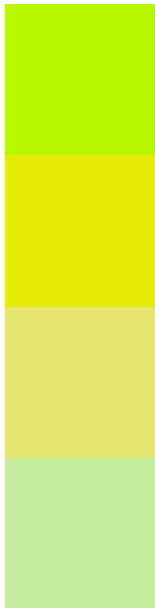
74.6393, 75.9900, 50.2688



Tritanopia

70.6937, 76.4928, 99.8456

Trichromacy



Original Color

53.0279, 76.7119, 12.0120

Protanomaly

61.7688, 75.5168, 11.4929

Deuteranomaly

63.4244, 74.3774, 25.7653

Tritanomaly

59.4557, 74.4653, 43.5873

Monochromacy



Original Color

53.0279, 76.7119, 12.0120

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

50.8918, 62.6273, 29.4847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0279, 76.7119, 12.0120 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(184, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 247, 0)  
}
```

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(184, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.0279, 76.7119, 12.0120 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(184, 247, 0) }
```


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

```
.border{ border-color:rgb(184, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0279, 76.7119, 12.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 247, 0) }
```

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

```
.background{ background-color: rgb(184,  
247, 0) }
```

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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