

Converting Colors

XYZ(51.2607, 74.2061, 23.0290)

Have a look what the booklet for
XYZ(51.2607, 74.2061, 23.0290)
contains.

XYZ(51.3029, 74.2224, 22.9317)	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(51.3029, 74.2224,
22.9317)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF461
RGB	171, 244, 97
RGB Percent	67%, 96%, 38%
CMY	0.3294, 0.0431, 0.6196
CMYK	0.30, 0.00, 0.60, 0.04
HSL	90°, 87%, 67%
HSV	90°, 60%, 96%
XYZ	51.3029, 74.2224, 22.9317
YIQ	205.4150, 3.6790, -61.1930

Conversions

Conversions Part 2

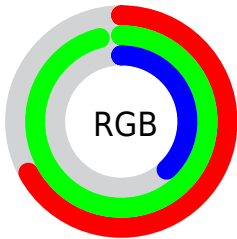
Format	Color
R _Y B	97, 244, 170
Decimal	11269217
CIE Lab	89.03, -45.60, 62.09
CIE LCh	89, 77.036, 126.296
Yxy	74.2224, 0.3456, 0.5000
Android (android.graphics.Color)	4289459297 (0xFFABF461)
YUV	205.4150, -53.4486, -30.1820
Hunter-Lab	86.1524, -44.4718, 44.5251

Details

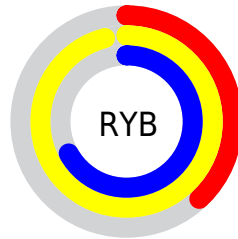
The XYZ color **51.3029, 74.2224, 22.9317** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **37.1849, 23.6294, 88.1933**, and the grayscale version is **58.6230, 61.6759, 67.1651**.

A 20% lighter version of the original color is **74.0606, 90.6100, 43.2918**, and **25.0760, 39.2645, 8.1766** is the 20% darker color. If you saturate the color by 10%, you get **47.8164, 72.5392, 17.7160**, and if you desaturate by 10%, it is **55.3848, 76.1768, 30.0042**.

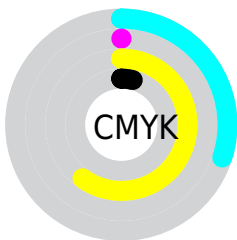
Distribution



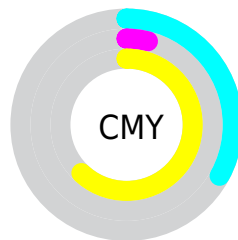
- Red (67%)
- Green (96%)
- Blue (38%)



- Red (38%)
- Yellow (96%)
- Blue (67%)



- Cyan (30%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)





- Cyan (33%)
- Magenta (4%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3029, 74.2224, 22.9317 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 51.3029, 74.2224, 22.9317 by changing the saturation by 10% instead.


 51.3029, 74.2224,
22.9317


 51.3029, 74.2224,
22.9317


382.1078,
475.2406, 280.4845

 36.6717, 54.9761,
14.3383


 91.2827, 125.2110,
49.2029


 25.1260, 39.3826,
8.2149


 117.3620,
157.7221, 67.7178

 16.3001, 27.0575,
4.1430


 147.9881,
195.4236, 90.3769

 9.8290, 17.6164,
1.7041

 183.5264,
238.6999, 117.5987

 5.3471, 10.6749,
0.3636

224.3421,
287.9353, 149.8019

 2.4892, 5.8487,
0.0000

270.8007,

 0.8898, 2.7533,

343.5143, 187.4049

0.0000

323.2675,
405.8213, 230.8262

0.0000, 1.0043,
0.0000

0.0000, 0.0000,
0.0000

51.3029, 74.2224,
22.9317

51.3029, 74.2224,
22.9317

47.8164, 72.5392,
17.7160

55.3848, 76.1768,
30.0042

44.8802, 71.1009,
14.1768


60.0922, 78.4074,
39.0819


42.4498, 69.8912,
12.1065


65.4587, 80.9312,
50.3038

40.4955, 68.9026,
11.1652

71.5139, 83.7604,
63.7951

 78.2853, 86.9068,
79.6714

 85.7988, 90.3814,
98.0405

 91.6423, 93.1846,
107.7641

Harmonies

Analogous

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



66.6701, 74.2224, 15.5365



51.3029, 74.2224, 22.9317



42.4417, 74.2224, 46.0382

Triad

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



51.3029, 74.2224, 22.9317



57.0358, 74.2224, 216.8187



112.7391, 74.2224, 70.0246

Complementary

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



51.3029, 74.2224, 22.9317



37.1849, 23.6294, 88.1933

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.



108.9266, 74.2224, 129.7760



51.3029, 74.2224, 22.9317



74.5696, 74.2224, 232.7962

Square

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



51.3029, 74.2224, 22.9317



45.3188, 74.2224, 158.5365



94.0843, 74.2224, 195.7056



103.7355, 74.2224, 33.8454

Rectangle

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



51.3029, 74.2224, 22.9317



40.3648, 74.2224, 74.3334



94.0843, 74.2224, 195.7056



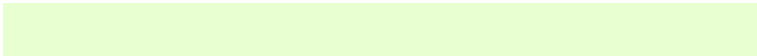
112.9333, 74.2224, 87.6641

Sweetspot

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



51.3047, 74.2256, 22.9333



80.6261, 93.3184, 74.1493



53.4808, 48.1228, 17.7802



16.8114, 19.7663, 14.8467



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.



51.3047, 74.2256, 22.9333



52.1825, 79.8532, 18.6917



39.7056, 68.2461, 22.3905



17.0772, 18.8818, 17.5421



22.1760, 37.5450, 6.0781



2.0676, 3.3610, 0.5398

Inverse Universe

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



37.1849, 23.6294, 88.1933



35.3476, 19.5200, 96.5125



57.0706, 33.8809, 89.1240



16.3652, 16.3309, 20.8322



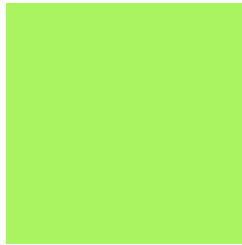
13.3375, 5.8500, 46.9642



1.2907, 0.5752, 4.1332

Previews

White Background



This preview shows how the XYZ color 51.3029, 74.2224, 22.9317 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 51.3029, 74.2224, 22.9317 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 51.3029, 74.2224, 22.9317

Background



This preview shows how black text looks on a background with the XYZ color 51.3029, 74.2224, 22.9317.



This preview shows how white text looks on a background with the XYZ color 51.3029, 74.2224,

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

51.3029, 74.2224, 22.9317

Protanopia

66.9874, 73.4871, 20.5514

Deuteranopia

72.6788, 73.1249, 46.3603



Tritanopia

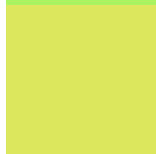
66.5460, 73.9605, 98.7641

Trichromacy



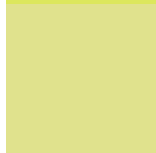
Original Color

51.3029, 74.2224, 22.9317



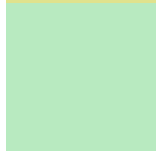
Protanomaly

60.0669, 73.1578, 21.3109



Deuteranomaly

62.7445, 72.1631, 35.8212



Tritanomaly

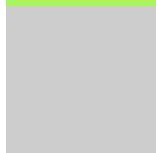
58.7044, 72.8418, 60.8350

Monochromacy



Original Color

51.3029, 74.2224, 22.9317



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.2068, 64.7537, 45.7181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3029, 74.2224, 22.9317 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(171, 244, 97)` looks like.

```
.text, #text, p{  
    color:rgb(171, 244, 97)  
}
```

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(171, 244, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 244, 97) }
```

Border

The CSS property to change the border of an element to XYZ 51.3029, 74.2224, 22.9317 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(171, 244, 97) }
```


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

```
.border{ border-color:rgb(171, 244, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 244, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 244, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 244, 97); box-shadow:4px 4px 4px 4px rgb(171, 244, 97) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3029, 74.2224, 22.9317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 244, 97) }
```

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

```
.background{ background-color: rgb(171,  
244, 97) }
```

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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