

Converting Colors

XYZ(51.4978, 70.4742, 29.1312)

Have a look what the booklet for
XYZ(51.4978, 70.4742, 29.1312)
contains.

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Color

**XYZ(51.5781, 70.7185,
29.0207)**

Conversions

Conversions Part 1

Format	Color
Hex	B1EC79
RGB	177, 236, 121
RGB Percent	69%, 93%, 47%
CMY	0.3059, 0.0745, 0.5255
CMYK	0.25, 0.00, 0.49, 0.07
HSL	91°, 75%, 70%
HSV	91°, 49%, 93%
XYZ	51.5781, 70.7185, 29.0207
YIQ	205.2490, 1.7510, -48.2730

Conversions

Conversions Part 2

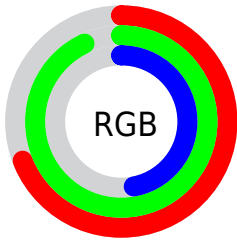
Format	Color
RYB	121, 236, 180
Decimal	11660409
CIELab	87.35, -37.64, 49.48
CIELCh	87, 62.164, 127.260
Yxy	70.7185, 0.3409, 0.4674
Android (android.graphics.Color)	4289850489 (0xFFB1EC79)
YUV	205.2490, -41.5348, -24.7744
Hunter-Lab	84.0943, -37.6844, 38.4052

Details

The XYZ color **51.5781, 70.7185, 29.0207** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.8031, 29.4362, 82.8920**, and the grayscale version is **58.4440, 61.4876, 66.9600**.

A 20% lighter version of the original color is **77.7588, 92.2773, 54.2704**, and **25.2806, 37.1371, 11.4660** is the 20% darker color. If you saturate the color by 10%, you get **47.6679, 68.8522, 22.1854**, and if you desaturate by 10%, it is **56.0906, 72.8588, 37.7349**.

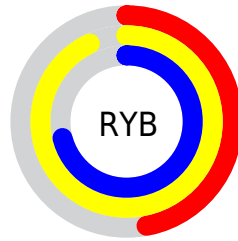
Distribution



Red (69%)

Green (93%)

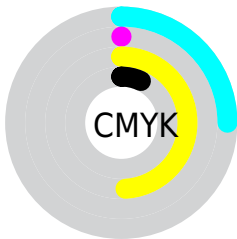
Blue (47%)



Red (47%)

Yellow (93%)

Blue (71%)

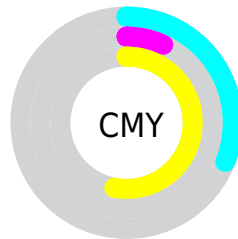


Cyan (25%)

Magenta (0%)

Yellow (49%)

Black (7%)



Cyan (31%)


Magenta (7%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5781, 70.7185, 29.0207 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 51.5781, 70.7185, 29.0207 by changing the saturation by 10% instead.


 51.5781, 70.7185,
29.0207

 51.5781, 70.7185,
29.0207


383.1564,
463.0688, 311.3766


 36.8918, 52.1125,
18.8508


 91.6866, 120.2328,
59.1525

 25.2970, 37.0948,
11.3868


 117.8396,
151.9099, 79.9515

 16.4284, 25.2809,
6.2102


 148.5455,
188.7129, 105.1306

 9.9206, 16.2864,
2.9025

184.1697,
231.0260, 135.1084

 5.4082, 9.7271,
1.0450

225.0775,
279.2338, 170.3033

 2.5259, 5.2184,
0.0000

271.6343,

 0.9083, 2.3760,

333.7206, 211.1340

0.0000

324.2055,
394.8708, 258.0189

0.0000, 0.8135,
0.0000

0.0000, 0.0000,
0.0000

51.5781, 70.7185,
29.0207

51.5781, 70.7185,
29.0207

47.6679, 68.8522,
22.1854

56.0906, 72.8588,
37.7349

44.3221, 67.2368,
17.0856


61.2299, 75.2764,
48.4482


41.5061, 65.8601,
13.5651


67.0252, 77.9861,
61.2760


39.1774, 64.7043,
11.4372


73.5022, 80.9987,
76.3236

 37.2766, 63.7448,
10.4255

 80.6850, 84.3247,
93.6895

 37.0562, 63.6331,
10.3294

 87.3473, 87.4740,
106.8882

 89.2870, 88.4739,
106.9790

Harmonies

Analogous

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



63.7222, 70.7185, 21.5317



51.5781, 70.7185, 29.0207



44.4604, 70.7185, 49.8605

Triad

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



51.5781, 70.7185, 29.0207



56.9146, 70.7185, 177.8046



99.1722, 70.7185, 67.2588

Complementary

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



51.5781, 70.7185, 29.0207



40.8031, 29.4362, 82.8920

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.



96.6514, 70.7185, 112.5425



51.5781, 70.7185, 29.0207



70.8349, 70.7185, 187.8019

Square

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



51.5781, 70.7185, 29.0207



47.2150, 70.7185, 136.8229



85.7322, 70.7185, 160.5997



92.1916, 70.7185, 37.7890

Rectangle

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



51.5781, 70.7185, 29.0207



42.8442, 70.7185, 73.2116



85.7322, 70.7185, 160.5997



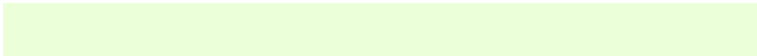
99.4231, 70.7185, 80.9178

Sweetspot

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



51.5798, 70.7216, 29.0222



82.6367, 94.2428, 79.3105



54.0661, 51.2561, 25.1340



17.3468, 20.0131, 16.1923



0.0000, 0.0000, 0.0000



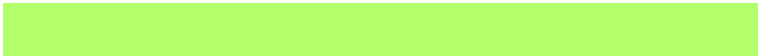
20.3446, 21.4041, 23.3091

Same Dimension

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



51.5798, 70.7216, 29.0222



57.0363, 82.1811, 26.7939



41.3339, 65.4396, 28.5427



15.5665, 17.2221, 16.0225



20.5734, 35.1505, 5.7004



1.7262, 2.8172, 0.4528

Inverse Universe

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



40.8031, 29.4362, 82.8920



42.8428, 27.8216, 97.7198



56.5726, 37.5657, 83.6300



14.9682, 14.9289, 19.0149



12.8490, 5.6598, 44.1582



1.1200, 0.5017, 3.4727

Previews

White Background



This preview shows how the XYZ color 51.5781, 70.7185, 29.0207 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 51.5781, 70.7185, 29.0207 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 51.5781, 70.7185, 29.0207

Background



This preview shows how black text looks on a background with the XYZ color 51.5781, 70.7185, 29.0207.

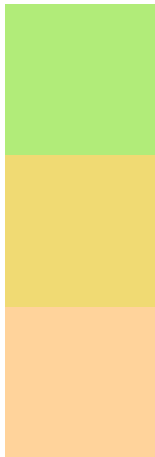


This preview shows how white text looks on a background with the XYZ color 51.5781, 70.7185,

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

51.5781, 70.7185, 29.0207

Protanopia

64.1011, 69.9059, 26.3343

Deuteranopia

70.4507, 70.2151, 40.8501



Tritanopia

64.3640, 70.5360, 92.6605

Trichromacy



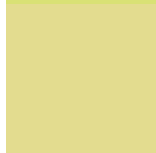
Original Color

51.5781, 70.7185, 29.0207



Protanomaly

58.7514, 69.8865, 27.2225



Deuteranomaly

62.2297, 69.5005, 36.1217



Tritanomaly

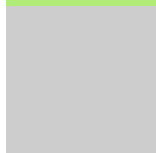
58.5605, 70.2094, 63.2886

Monochromacy



Original Color

51.5781, 70.7185, 29.0207



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.7015, 63.7698, 49.4701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5781, 70.7185, 29.0207 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(177, 236, 121)` looks like.

```
.text, #text, p{  
    color:rgb(177, 236, 121)  
}
```

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(177, 236, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 236, 121) }
```

Border

The CSS property to change the border of an element to XYZ 51.5781, 70.7185, 29.0207 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(177, 236, 121) }
```


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

```
.border{ border-color:rgb(177, 236, 121) }
```

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

Here you see how a box with a 4 pixel rgb(177, 236, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 236, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 236, 121);  
box-shadow:4px 4px 4px 4px rgb(177, 236,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5781, 70.7185, 29.0207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 236, 121) }
```

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

```
.background{ background-color: rgb(177,  
236, 121) }
```

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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