

Converting Colors

XYZ(51.2313, 69.2891, 27.8135)

Have a look what the booklet for
XYZ(51.2313, 69.2891, 27.8135)
contains.

XYZ(51.2313, 69.2891, 27.8135)	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(51.2313, 69.2891,
27.8135)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E976
RGB	180, 233, 118
RGB Percent	71%, 91%, 46%
CMY	0.2941, 0.0863, 0.5372
CMYK	0.23, 0.00, 0.49, 0.09
HSL	88°, 72%, 69%
HSV	88°, 49%, 91%
XYZ	51.2313, 69.2891, 27.8135
YIQ	204.0430, 5.3270, -47.0010

Conversions

Conversions Part 2

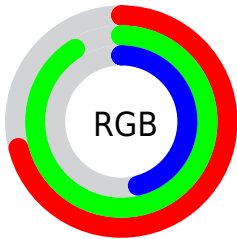
Format	Color
RYB	118, 233, 171
Decimal	11856246
CIELab	86.65, -35.53, 50.08
CIELCh	87, 61.402, 125.356
Yxy	69.2891, 0.3454, 0.4671
Android (android.graphics.Color)	4290046326 (0xFFB4E976)
YUV	204.0430, -42.4192, -21.0857
Hunter-Lab	83.2401, -35.8097, 38.4571

Details

The XYZ color **51.2313, 69.2891, 27.8135** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.9839, 27.5000, 80.4007**, and the grayscale version is **57.6807, 60.6846, 66.0855**.

A 20% lighter version of the original color is **78.4663, 92.6757, 52.7823**, and **25.0177, 36.1227, 10.8081** is the 20% darker color. If you saturate the color by 10%, you get **47.6106, 67.5655, 21.2878**, and if you desaturate by 10%, it is **55.3911, 71.2555, 36.1522**.

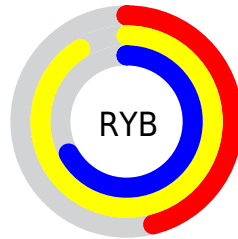
Distribution



Red (71%)

Green (91%)

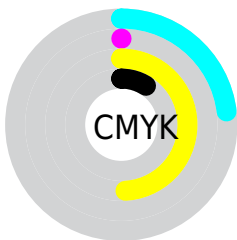
Blue (46%)



Red (46%)

Yellow (91%)

Blue (67%)

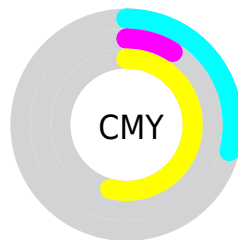


Cyan (23%)

Magenta (0%)

Yellow (49%)

Black (9%)



Cyan (29%)


Magenta (9%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2313, 69.2891, 27.8135 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 51.2313, 69.2891, 27.8135 by changing the saturation by 10% instead.


 51.2313, 69.2891,
27.8135


 51.2313, 69.2891,
27.8135


381.8346,
458.0499, 305.4585


 36.6145, 50.9472,
17.9473


 91.1775, 118.1944,
57.2061

 25.0815, 36.1666,
10.7431


 117.2377,
149.5266, 77.5695

 16.2668, 24.5629,
5.7824

 147.8430,
185.9576, 102.2691

 9.8052, 15.7517,
2.6466

183.3589,
227.8720, 131.7234

 5.3313, 9.3486,
0.9164

224.1506,
275.6540, 166.3510

 2.4797, 4.9693,
0.0000

270.5836,

 0.8850, 2.2292,

329.6880, 206.5703

0.0000

323.0231,
390.3586, 252.8000

0.0000, 0.7359,
0.0000

0.0000, 0.0000,
0.0000

51.2313, 69.2891,
27.8135

51.2313, 69.2891,
27.8135

47.6106, 67.5655,
21.2878

55.3911, 71.2555,
36.1522

44.4940, 66.0630,
16.4355


60.1122, 73.4669,
46.4210


41.8493, 64.7706,
13.1036


65.4215, 75.9370,
58.7324


39.6372, 63.6721,
11.1093


71.3423, 78.6754,
73.1888

 37.7976, 62.7428,
10.1615

 77.8967, 81.6915,
89.8859

 37.6874, 62.6869,
10.1135

 84.6501, 84.8120,
106.5165

 88.4304, 86.7608,
106.6935

Harmonies

Analogous

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



63.3309, 69.2891, 21.1588



51.2313, 69.2891, 27.8135



43.9473, 69.2891, 47.2092

Triad

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



51.2313, 69.2891, 27.8135



55.0730, 69.2891, 171.6894



97.1019, 69.2891, 68.3492

Complementary

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



51.2313, 69.2891, 27.8135



37.9839, 27.5000, 80.4007

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.



94.0541, 69.2891, 113.1528



51.2313, 69.2891, 27.8135



68.4498, 69.2891, 183.7424

Square

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



51.2313, 69.2891, 27.8135



45.9308, 69.2891, 130.6157



83.0313, 69.2891, 159.3177



90.8456, 69.2891, 38.5172

Rectangle

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



51.2313, 69.2891, 27.8135



42.1344, 69.2891, 69.2631



83.0313, 69.2891, 159.3177



97.1403, 69.2891, 81.9822

Sweetspot

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



51.2330, 69.2921, 27.8150



83.3007, 94.5851, 79.3416



51.2048, 47.2899, 23.5696



17.5065, 20.0954, 16.1998



0.0000, 0.0000, 0.0000



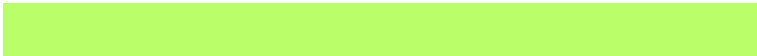
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2330, 69.2921, 27.8150



58.4531, 82.9268, 26.1693



40.6871, 63.8556, 27.3215



15.6441, 17.2621, 16.0261



21.5283, 35.6427, 5.7451



1.8013, 2.8559, 0.4563

Inverse Universe

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



37.9839, 27.5000, 80.4007



40.4877, 26.2181, 97.5344



52.9466, 35.2135, 81.1010



14.8910, 14.8891, 19.0113



11.9525, 5.1977, 44.1162



1.0484, 0.4648, 3.4693

Previews

White Background



This preview shows how the XYZ color 51.2313, 69.2891, 27.8135 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 51.2313, 69.2891, 27.8135 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 51.2313, 69.2891, 27.8135

Background



This preview shows how black text looks on a background with the XYZ color 51.2313, 69.2891, 27.8135.

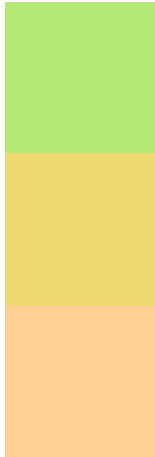


This preview shows how white text looks on a background with the XYZ color 51.2313, 69.2891,

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

51.2313, 69.2891, 27.8135

Protanopia

63.0771, 68.6323, 25.2521

Deuteranopia

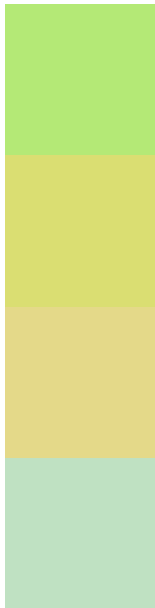
69.1412, 68.5099, 37.5966



Tritanopia

63.9052, 69.1711, 90.1040

Trichromacy



Original Color

51.2313, 69.2891, 27.8135

Protanomaly

58.0720, 68.3629, 26.0542

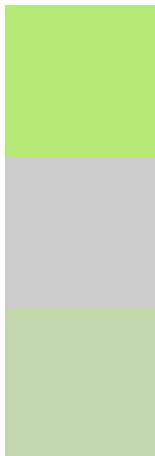
Deuteranomaly

61.3231, 67.9258, 33.5458

Tritanomaly

58.1487, 68.8218, 61.2581

Monochromacy



Original Color

51.2313, 69.2891, 27.8135

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

54.3489, 63.2201, 48.8734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2313, 69.2891, 27.8135 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(180, 233, 118)` looks like.

```
.text, #text, p{  
    color:rgb(180, 233, 118)  
}
```

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(180, 233, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 233, 118) }
```

Border

The CSS property to change the border of an element to XYZ 51.2313, 69.2891, 27.8135 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(180, 233, 118) }
```


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

```
.border{ border-color:rgb(180, 233, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 233, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 233, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 233, 118);  
box-shadow:4px 4px 4px 4px rgb(180, 233,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2313, 69.2891, 27.8135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 233, 118) }
```

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

```
.background{ background-color: rgb(180,  
233, 118) }
```

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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