

Converting Colors

XYZ(50.0550, 51.2738, 79.2699)

Have a look what the booklet for
XYZ(50.0550, 51.2738, 79.2699)
contains.

XYZ(50.0565, 51.2333, 79.2023)	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(50.0565, 51.2333,
79.2023)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BDE2
RGB	177, 189, 226
RGB Percent	69%, 74%, 89%
CMY	0.3059, 0.2588, 0.1137
CMYK	0.22, 0.16, 0.00, 0.11
HSL	225°, 46%, 79%
HSV	225°, 22%, 89%
XYZ	50.0565, 51.2333, 79.2023
YIQ	189.6300, -19.0290, 8.9630

Conversions

Conversions Part 2

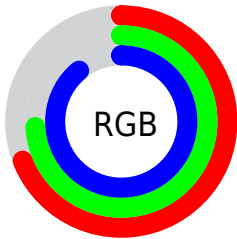
Format	Color
RYB	177, 187, 226
Decimal	11648482
CIELab	76.82, 3.69, -19.83
CIElCh	77, 20.175, 280.546
Yxy	51.2333, 0.2773, 0.2839
Android (android.graphics.Color)	4289838562 (0xFFB1BDE2)
YUV	189.6300, 17.9304, -11.0765
Hunter-Lab	71.5774, -0.4295, -15.5017

Details

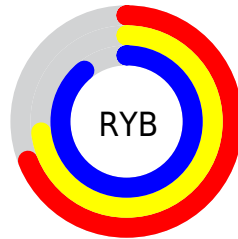
The XYZ color **50.0565, 51.2333, 79.2023** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **63.3469, 67.4362, 51.2739**, and the grayscale version is **48.6402, 51.1733, 55.7277**.

A 20% lighter version of the original color is **84.3067, 89.8485, 107.5068**, and **24.4670, 24.8337, 42.0319** is the 20% darker color. If you saturate the color by 10%, you get **41.8718, 41.8827, 77.8297**, and if you desaturate by 10%, it is **59.5288, 61.8914, 80.7611**.

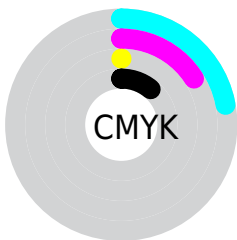
Distribution



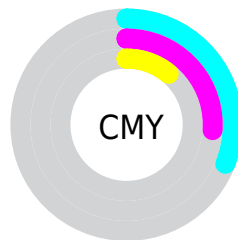
- Red (69%)
- Green (74%)
- Blue (89%)



- Red (69%)
- Yellow (73%)
- Blue (89%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0565, 51.2333, 79.2023 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 50.0565, 51.2333, 79.2023 by changing the saturation by 10% instead.

■ 50.0565, 51.2333,
79.2023

■ 50.0565, 51.2333,
79.2023

377.3352,
391.4695, 511.8761

■ 35.6763, 36.3943,
58.5399

■ 89.4499, 91.9995,
134.0449

■ 24.3532, 24.7389,
41.8252

115.1938,
118.6956, 169.0621

■ 15.7220, 15.8826,
28.6399

145.4563,
150.1128, 209.7013

■ 9.4173, 9.4411,
18.5654

180.6027,
186.6355, 256.3810

■ 5.0736, 5.0300,
11.1830

220.9985,
228.6481, 309.5198

■ 2.3257, 2.2649,
6.0744

267.0089,

■ 0.8078, 0.7550,

276.5351, 369.5363

2.8208

318.9994,
330.6807, 436.8489

■ 0.0000, 0.0000,
1.0039

■ 0.0000, 0.0000,
0.0000

■ 50.0565, 51.2333,
79.2023

■ 50.0565, 51.2333,
79.2023

■ 41.8718, 41.8827,
77.8297

■ 59.5288, 61.8914,
80.7611

■ 34.9130, 33.7818,
76.6328

■ 70.3372, 73.8991,
82.5092

■ 29.1205, 26.8778,
75.6055

■ 82.5333, 87.3046,
84.4539

■ 24.4276, 21.1113,
74.7398

■ 90.7276, 98.2711,
86.1387

■ 20.7604, 16.4178,
74.0271

■ 18.0355, 12.7253,
73.4581

■ 16.1546, 9.9521,
73.0219

■ 15.1108, 8.2574,
72.7498

Harmonies

Analogous

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



46.2832, 51.2333, 78.1358



50.0565, 51.2333, 79.2023



53.6432, 51.2333, 73.4008

Triad

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



50.0565, 51.2333, 79.2023



54.5107, 51.2333, 43.1629



42.0747, 51.2333, 49.0488

Complementary

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



50.0565, 51.2333, 79.2023



63.3469, 67.4362, 51.2739

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.



44.0622, 51.2333, 41.2394



50.0565, 51.2333, 79.2023



51.1906, 51.2333, 38.1622

Square

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



50.0565, 51.2333, 79.2023



56.3029, 51.2333, 52.0113



47.3598, 51.2333, 37.5076



41.8066, 51.2333, 59.7356

Rectangle

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



50.0565, 51.2333, 79.2023



55.3960, 51.2333, 66.8149



47.3598, 51.2333, 37.5076



42.5587, 51.2333, 46.0400

Sweetspot

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



50.0581, 51.2354, 79.2035



84.6352, 88.4705, 107.2235



57.4346, 68.5831, 73.6628



17.9322, 18.7326, 22.9206



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.



50.0581, 51.2354, 79.2035



60.7788, 61.6342, 103.3009



50.4991, 47.7873, 78.5147



13.2234, 13.7859, 17.3517



8.6989, 4.8674, 41.5294



0.6727, 0.4769, 2.9018

Inverse Universe

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



56.2728, 51.2884, 55.0802



70.3853, 61.9311, 65.9635



62.7918, 71.8266, 52.1506



13.8442, 13.7553, 14.9498



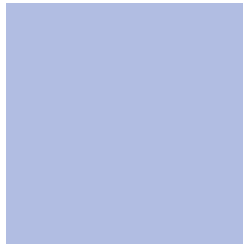
18.3310, 9.3994, 3.1430



1.3058, 0.6656, 0.4032

Previews

White Background



This preview shows how the XYZ color 50.0565, 51.2333, 79.2023 looks on a white background.

Color Contrast Check

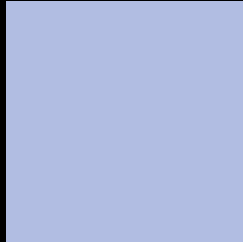
Large Text (above 18pt) WCAG AA × Fail

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 50.0565, 51.2333, 79.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

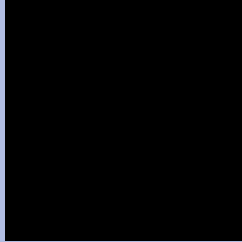
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0565, 51.2333, 79.2023

Background



This preview shows how black text looks on a background with the XYZ color 50.0565, 51.2333, 79.2023.



This preview shows how white text looks on a background with the XYZ color 50.0565, 51.2333,

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

50.0565, 51.2333, 79.2023

Protanopia

50.8652, 51.3478, 78.4644

Deuteranopia

52.2004, 51.0628, 79.7779



Tritanopia

47.3457, 51.0885, 66.3972

Trichromacy



Original Color

50.0565, 51.2333, 79.2023

Protanomaly

50.3962, 51.1060, 78.4424

Deuteranomaly

51.4316, 50.9782, 79.8021

Tritanomaly

48.2240, 51.1153, 70.9429

Monochromacy



Original Color

50.0565, 51.2333, 79.2023

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.2005, 51.4530, 63.8382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0565, 51.2333, 79.2023 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, 189, 226)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 226)  
}
```

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, 189, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.0565, 51.2333, 79.2023 is called "border". The border property can be set on classes, ids or directly on the HTML element.

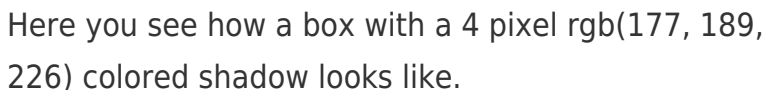
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 189, 226) }
```


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

```
.border{ border-color:rgb(177, 189, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 189, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 226);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0565, 51.2333, 79.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 226) }
```

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

```
.background{ background-color: rgb(177,  
189, 226) }
```

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