

Converting Colors

XYZ(51.8191, 52.0451, 83.6585)

Have a look what the booklet for
XYZ(51.8191, 52.0451, 83.6585)
contains.

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Color

**XYZ(51.8191, 52.0451,
83.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BDE8
RGB	181, 189, 232
RGB Percent	71%, 74%, 91%
CMY	0.2902, 0.2588, 0.0902
CMYK	0.22, 0.19, 0.00, 0.09
HSL	231°, 53%, 81%
HSV	231°, 22%, 91%
XYZ	51.8191, 52.0451, 83.6585
YIQ	191.5100, -18.5710, 11.6770

Conversions

Conversions Part 2

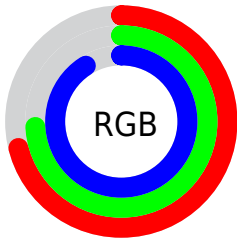
Format	Color
R_{YB}	181, 188, 232
Decimal	11910632
CIE _{Lab}	77.31, 6.28, -22.31
CIE _{LCh}	77, 23.171, 285.713
Yxy	52.0451, 0.2763, 0.2775
Android (android.graphics.Color)	4290100712 (0xFFB5BDE8)
YUV	191.5100, 19.9616, -9.2173
Hunter-Lab	72.1423, 1.9658, -18.2550

Details

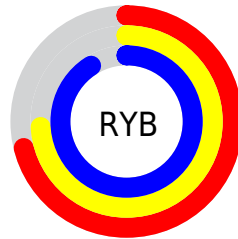
The XYZ color **51.8191, 52.0451, 83.6585** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.2754, 73.8035, 54.3644**, and the grayscale version is **49.7140, 52.3030, 56.9580**.

A 20% lighter version of the original color is **85.6275, 90.5293, 107.5686**, and **25.3930, 25.2549, 44.6106** is the 20% darker color. If you saturate the color by 10%, you get **42.8980, 41.6167, 82.1167**, and if you desaturate by 10%, it is **62.2167, 64.0796, 85.4342**.

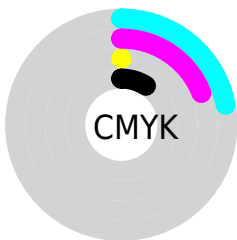
Distribution



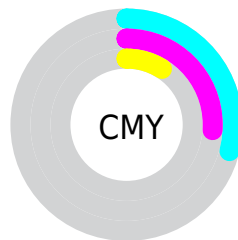
- Red (71%)
- Green (74%)
- Blue (91%)



- Red (71%)
- Yellow (74%)
- Blue (91%)



- Cyan (22%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (29%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8191, 52.0451, 83.6585 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 51.8191, 52.0451, 83.6585 by changing the saturation by 10% instead.

■ 51.8191, 52.0451,
83.6585

■ 51.8191, 52.0451,
83.6585

384.0733,
394.6107, 527.2069

■ 37.0846, 37.0410,
62.1898

■ 92.0402, 93.1977,
140.3548

■ 25.4470, 25.2393,
44.7493

118.2575,
120.1151, 176.4195

■ 16.5409, 16.2554,
30.9185

149.0331,
151.7724, 218.1866

■ 10.0010, 9.7051,
20.2788

184.7324,
188.5539, 266.0746

■ 5.4619, 5.2038,
12.4118

225.7207,
230.8441, 320.5021

■ 2.5582, 2.3674,
6.8989

272.3634,

■ 0.9247, 0.8090,

279.0274, 381.8876

3.3214

325.0258,
333.4881, 450.6497

■ 0.0000, 0.0000,
1.2610

■ 0.0000, 0.0000,
0.0295

■ 51.8191, 52.0451,
83.6585

■ 51.8191, 52.0451,
83.6585

■ 42.8980, 41.6167,
82.1167

■ 62.2167, 64.0796,
85.4342

■ 35.3812, 32.7198,
80.7956

■ 74.1490, 77.7779,
87.4494

■ 29.1977, 25.2834,
79.6861

■ 87.6768, 93.2027,
89.7137

■ 24.2680, 19.2282,
78.7772

■ 91.5657, 98.6063,
90.5517

■ 20.5042, 14.4671,
78.0566

■ 17.8068, 10.9031,
77.5108

■ 16.0582, 8.4241,
77.1245

■ 15.2087, 7.1124,
76.9160

Harmonies

Analogous

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



47.3873, 52.0451, 83.8632



51.8191, 52.0451, 83.6585



55.8436, 52.0451, 75.5429

Triad

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



51.8191, 52.0451, 83.6585



55.6806, 52.0451, 40.8850



41.6359, 52.0451, 50.8379

Complementary

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



51.8191, 52.0451, 83.6585



68.2754, 73.8035, 54.3644

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.



43.5958, 52.0451, 41.2327



51.8191, 52.0451, 83.6585



51.6074, 52.0451, 36.0974

Square

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



51.8191, 52.0451, 83.6585



58.1625, 52.0451, 50.2922



47.1878, 52.0451, 36.2143



41.6850, 52.0451, 63.5617

Rectangle

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



51.8191, 52.0451, 83.6585



57.6769, 52.0451, 67.3480



47.1878, 52.0451, 36.2143



42.0762, 52.0451, 47.1818

Sweetspot

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



51.8207, 52.0472, 83.6597



84.1707, 87.5414, 107.0687



61.3006, 72.8928, 81.0058



17.8249, 18.5180, 22.8848



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.



51.8207, 52.0472, 83.6597



59.4089, 58.8944, 102.8443



54.3793, 50.8811, 83.2997



13.7645, 14.2504, 18.1695



8.5016, 4.0653, 42.7198



0.6844, 0.4127, 3.1756

Inverse Universe

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



58.9892, 53.8791, 55.4370



69.6938, 61.6545, 62.3223



65.2225, 75.4975, 54.8523



14.4687, 14.4047, 15.4027



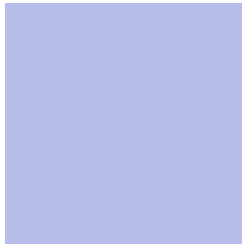
18.6847, 9.6081, 1.9687



1.4091, 0.7213, 0.2947

Previews

White Background



This preview shows how the XYZ color 51.8191, 52.0451, 83.6585 looks on a white background.

Color Contrast Check

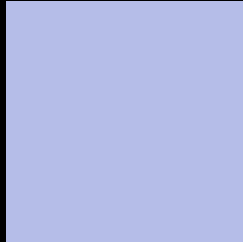
Large Text (above 18pt) WCAG AA × Fail

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 51.8191, 52.0451, 83.6585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

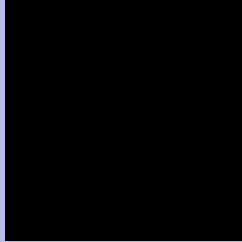
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8191, 52.0451, 83.6585

Background



This preview shows how black text looks on a background with the XYZ color 51.8191, 52.0451, 83.6585.



This preview shows how white text looks on a background with the XYZ color 51.8191, 52.0451,

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

51.8191, 52.0451, 83.6585

Protanopia

51.8191, 52.0451, 83.6585

Deuteranopia

53.0748, 52.0582, 83.5948



Tritanopia

48.5866, 52.0411, 67.1587

Trichromacy



Original Color

51.8191, 52.0451, 83.6585

Protanomaly

51.8191, 52.0451, 83.6585

Deuteranomaly

52.5563, 52.1069, 83.6316

Tritanomaly

49.7341, 52.1740, 73.0950

Monochromacy



Original Color

51.8191, 52.0451, 83.6585

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.6323, 52.4580, 66.4883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8191, 52.0451, 83.6585 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(181, 189, 232)` looks like.

```
.text, #text, p{  
    color:rgb(181, 189, 232)  
}
```

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(181, 189, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 189, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.8191, 52.0451, 83.6585 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(181, 189, 232) }
```


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

```
.border{ border-color:rgb(181, 189, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 189, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 189, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 189, 232);  
box-shadow:4px 4px 4px 4px rgb(181, 189,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8191, 52.0451, 83.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 189, 232) }
```

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

```
.background{ background-color: rgb(181,  
189, 232) }
```

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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