

Converting Colors

XYZ(51.7192, 48.0102, 83.6318)

Have a look what the booklet for
XYZ(51.7192, 48.0102, 83.6318)
contains.

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Color

**XYZ(51.7192, 48.0102,
83.6318)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB0E9
RGB	191, 176, 233
RGB Percent	75%, 69%, 91%
CMY	0.2510, 0.3098, 0.0863
CMYK	0.18, 0.24, 0.00, 0.09
HSL	256°, 56%, 80%
HSV	256°, 24%, 91%
XYZ	51.7192, 48.0102, 83.6318
YIQ	186.9830, -9.3570, 20.9070

Conversions

Conversions Part 2

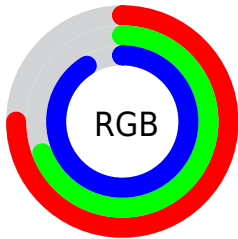
Format	Color
R_{YB}	191, 176, 233
Decimal	12562665
CIE _{Lab}	74.83, 16.69, -26.56
CIE _{LCh}	75, 31.363, 302.144
Yxy	48.0102, 0.2821, 0.2618
Android (android.graphics.Color)	4290752745 (0xFFBFB0E9)
YUV	186.9830, 22.6864, 3.5229
Hunter-Lab	69.2894, 11.9801, -23.0600

Details

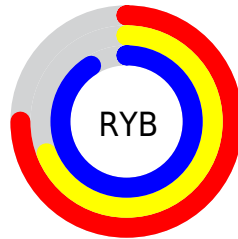
The XYZ color **51.7192, 48.0102, 83.6318** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.8902, 76.3190, 52.3346**, and the grayscale version is **47.1057, 49.5589, 53.9696**.

A 20% lighter version of the original color is **85.6180, 84.8897, 106.4805**, and **25.3353, 22.6586, 44.6332** is the 20% darker color. If you saturate the color by 10%, you get **43.4695, 37.5485, 82.0481**, and if you desaturate by 10%, it is **61.2622, 60.3049, 85.5027**.

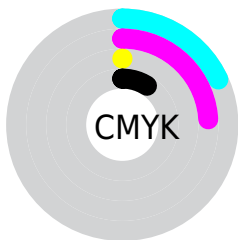
Distribution



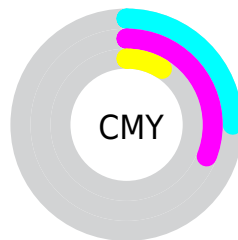
- Red (75%)
- Green (69%)
- Blue (91%)



- Red (75%)
- Yellow (69%)
- Blue (91%)



- Cyan (18%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (25%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7192, 48.0102, 83.6318 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 51.7192, 48.0102, 83.6318 by changing the saturation by 10% instead.

■ 51.7192, 48.0102,
83.6318

■ 51.7192, 48.0102,
83.6318

383.6934,
378.8326, 527.1158

■ 37.0047, 33.8350,
62.1679

■ 91.8937, 87.2196,
140.3171

■ 25.3848, 22.7668,
44.7317

118.0843,
113.0225, 176.3756

■ 16.4942, 14.4214,
30.9047

148.8310,
143.4702, 218.1360

■ 9.9676, 8.4144,
20.2685

184.4992,
178.9469, 266.0169

■ 5.4396, 4.3612,
12.4043

225.4542,
219.8371, 320.4367

■ 2.5448, 1.8776,
6.8938

272.0613,

■ 0.9179, 0.5349,

266.5252, 381.8142

3.3183

324.6859,
319.3955, 450.5677

■ 0.0000, 0.0000,
1.2594

■ 0.0000, 0.0000,
0.0282

■ 51.7192, 48.0102,
83.6318

■ 51.7192, 48.0102,
83.6318

■ 43.4695, 37.5485,
82.0481

■ 61.2622, 60.3049,
85.5027

■ 36.4511, 28.8248,
80.7341

■ 72.1476, 74.5096,
87.6708

■ 30.6034, 21.7445,
79.6757

■ 84.4276, 90.7040,
90.1494

■ 25.8589, 16.2013,
78.8558

■ 91.7081, 98.6633,
91.3020

■ 22.1425, 12.0761,
78.2555

■ 19.3688, 9.2316,
77.8526

■ 17.4363, 7.5015,
77.6205

■ 16.6520, 6.8853,
77.5429

Harmonies

Analogous

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



46.0438, 48.0102, 90.3600



51.7192, 48.0102, 83.6318



56.0309, 48.0102, 68.3658

Triad

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



51.7192, 48.0102, 83.6318



50.9505, 48.0102, 29.1336



35.5274, 48.0102, 53.4589

Complementary

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



51.7192, 48.0102, 83.6318



65.8902, 76.3190, 52.3346

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.



36.6070, 48.0102, 38.9305



51.7192, 48.0102, 83.6318



45.2232, 48.0102, 26.7519

Square

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



51.7192, 48.0102, 83.6318



55.5617, 48.0102, 37.2820



40.0427, 48.0102, 29.9367



36.9624, 48.0102, 70.8289

Rectangle

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



51.7192, 48.0102, 83.6318



57.3807, 48.0102, 56.6862



40.0427, 48.0102, 29.9367



35.6080, 48.0102, 48.0987

Sweetspot

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



51.7207, 48.0122, 83.6329



84.9432, 86.7255, 106.8704



57.8803, 65.6474, 86.7122



18.0033, 18.3299, 22.8391



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.



51.7207, 48.0122, 83.6329



58.5399, 52.6378, 101.6825



59.3730, 51.9571, 83.9910



14.6029, 14.7406, 18.9978



9.5478, 3.9580, 44.0037



0.8379, 0.3562, 3.4595

Inverse Universe

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



61.7859, 53.4381, 73.3894



72.8476, 60.3575, 86.8178



58.2746, 72.3930, 51.9782



15.5357, 15.2422, 18.1065



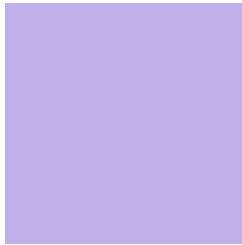
23.3296, 11.5345, 23.3348



1.8711, 0.9214, 2.0388

Previews

White Background



This preview shows how the XYZ color 51.7192, 48.0102, 83.6318 looks on a white background.

Color Contrast Check

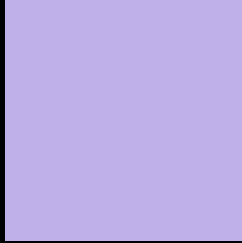
Large Text (above 18pt) WCAG AA × Fail

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 51.7192, 48.0102, 83.6318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

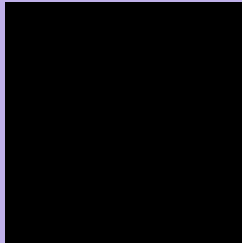
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7192, 48.0102, 83.6318

Background



This preview shows how black text looks on a background with the XYZ color 51.7192, 48.0102, 83.6318.



This preview shows how white text looks on a background with the XYZ color 51.7192, 48.0102,

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

51.7192, 48.0102, 83.6318

Protanopia

48.5916, 48.1164, 86.8471

Deuteranopia

49.2208, 48.2211, 83.0573



Tritanopia

47.0191, 48.2125, 59.6511

Trichromacy



Original Color

51.7192, 48.0102, 83.6318

Protanomaly

49.8217, 48.1636, 86.0275

Deuteranomaly

49.9770, 48.0115, 82.9770

Tritanomaly

48.4476, 47.8605, 67.6573

Monochromacy



Original Color

51.7192, 48.0102, 83.6318

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.5716, 48.9180, 64.0089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7192, 48.0102, 83.6318 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(191, 176, 233)` looks like.

```
.text, #text, p{  
    color:rgb(191, 176, 233)  
}
```

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(191, 176, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 176, 233) }
```

Border

The CSS property to change the border of an element to XYZ 51.7192, 48.0102, 83.6318 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(191, 176, 233) }
```


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

```
.border{ border-color:rgb(191, 176, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 176, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 176, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 176, 233);  
box-shadow:4px 4px 4px 4px rgb(191, 176,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7192, 48.0102, 83.6318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 176, 233) }
```

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

```
.background{ background-color: rgb(191,  
176, 233) }
```

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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