

Converting Colors

XYZ(51.1635, 50.0377, 87.8506)

Have a look what the booklet for
XYZ(51.1635, 50.0377, 87.8506)
contains.

XYZ(51.1635, 50.0377, 87.8506)	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(51.1635, 50.0377,
87.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	B3B8EE
RGB	179, 184, 238
RGB Percent	70%, 72%, 93%
CMY	0.2980, 0.2784, 0.0667
CMYK	0.25, 0.23, 0.00, 0.07
HSL	235°, 63%, 82%
HSV	235°, 25%, 93%
XYZ	51.1635, 50.0377, 87.8506
YIQ	188.6610, -20.3140, 15.7340

Conversions

Conversions Part 2

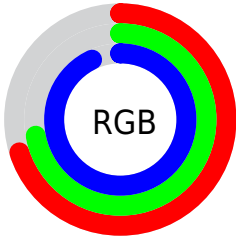
Format	Color
R _Y B	179, 184, 238
Decimal	11778286
CIE Lab	76.09, 9.78, -27.41
CIE LCh	76, 29.105, 289.644
Yxy	50.0377, 0.2706, 0.2647
Android (android.graphics.Color)	4289968366 (0xFFB3B8EE)
YUV	188.6610, 24.3241, -8.4727
Hunter-Lab	70.7373, 5.3167, -24.1177

Details

The XYZ color **51.1635, 50.0377, 87.8506** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.5362, 79.7101, 54.2119**, and the grayscale version is **48.0514, 50.5538, 55.0531**.

A 20% lighter version of the original color is **83.8022, 87.3730, 107.0556**, and **25.0172, 23.9700, 47.5641** is the 20% darker color. If you saturate the color by 10%, you get **41.9486, 39.0804, 86.2221**, and if you desaturate by 10%, it is **62.0277, 62.8819, 89.7580**.

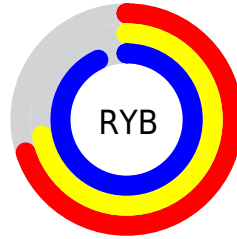
Distribution



Red (70%)

Green (72%)

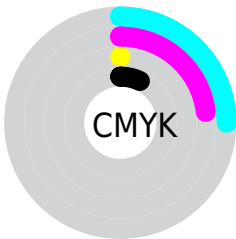
Blue (93%)



Red (70%)

Yellow (72%)

Blue (93%)

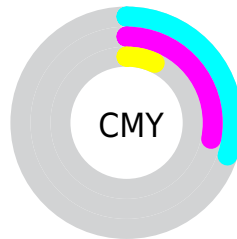


Cyan (25%)

Magenta (23%)

Yellow (0%)

Black (7%)



Cyan (30%)

Magenta (28%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1635, 50.0377, 87.8506 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 51.1635, 50.0377, 87.8506 by changing the saturation by 10% instead.

■ 51.1635, 50.0377,
87.8506

■ 51.1635, 50.0377,
87.8506

381.5759,
386.8134, 541.4025

■ 36.5603, 35.4434,
65.6357

■ 91.0780, 90.2307,
146.2585

■ 25.0394, 24.0046,
47.5221

117.1199,
116.5982, 183.2885

■ 16.2353, 15.3370,
33.0913

147.7056,
147.6588, 226.0940

■ 9.7827, 9.0563,
21.9247

183.2002,
183.7971, 275.0935

■ 5.3163, 4.7779,
13.6038

223.9692,
225.3972, 330.7056

■ 2.4707, 2.1175,
7.7100

270.3779,

■ 0.8805, 0.6745,

272.8437, 393.3487

3.8249

322.7917,
326.5210, 463.4415

■ 0.0000, 0.0000,
1.5298

■ 0.0000, 0.0000,
0.2400

■ 51.1635, 50.0377,
87.8506

■ 51.1635, 50.0377,
87.8506

■ 41.9486, 39.0804,
86.2221

■ 62.0277, 62.8819,
89.7580

■ 34.2976, 29.9151,
84.8563

■ 74.6113, 77.6896,
91.9530

■ 28.1248, 22.4482,
83.7404

■ 88.9863, 94.5408,
94.4479

■ 23.3342, 16.5747,
82.8592

■ 92.4328, 98.9531,
95.1179

■ 19.8186, 12.1782,
82.1959

■ 17.4546, 9.1262,
81.7314

■ 16.0939, 7.2618,
81.4432

■ 15.6860, 6.6796,
81.3524

Harmonies

Analogous

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



45.7034, 50.0377, 89.5884



51.1635, 50.0377, 87.8506



55.9849, 50.0377, 76.2768

Triad

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



51.1635, 50.0377, 87.8506



54.6601, 50.0377, 34.6924



37.9929, 50.0377, 49.2722

Complementary

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



51.1635, 50.0377, 87.8506



72.5362, 79.7101, 54.2119

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.



40.0246, 50.0377, 37.2938



51.1635, 50.0377, 87.8506



49.4648, 50.0377, 30.0052

Square

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



51.1635, 50.0377, 87.8506



58.1078, 50.0377, 45.0187



44.1285, 50.0377, 30.8568



38.3716, 50.0377, 65.1877

Rectangle

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



51.1635, 50.0377, 87.8506



58.0569, 50.0377, 65.5831



44.1285, 50.0377, 30.8568



38.4102, 50.0377, 44.7111

Sweetspot

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



51.1651, 50.0397, 87.8517



83.7931, 86.7862, 106.9428



63.7458, 76.5657, 87.8383



17.7378, 18.3438, 22.8558



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.



51.1651, 50.0397, 87.8517



53.8707, 51.4356, 101.6965



56.0738, 51.0552, 87.7890



15.0049, 15.4440, 19.9118



8.7887, 3.8017, 45.3985



0.7679, 0.3897, 3.7890

Inverse Universe

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



60.0331, 53.8795, 52.5852



66.0154, 56.8023, 53.3749



66.5608, 78.7612, 54.3436



15.8272, 15.7806, 16.6462



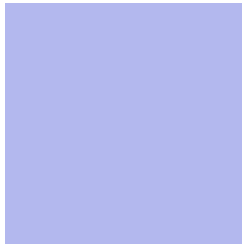
19.7618, 10.1771, 1.3961



1.6625, 0.8541, 0.2138

Previews

White Background



This preview shows how the XYZ color 51.1635, 50.0377, 87.8506 looks on a white background.

Color Contrast Check

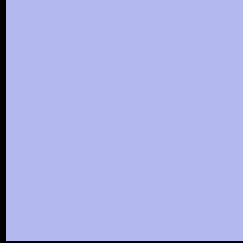
Large Text (above 18pt) WCAG AA × Fail

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 51.1635, 50.0377, 87.8506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

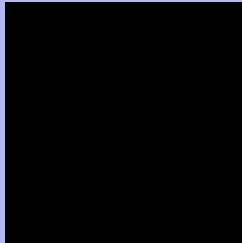
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1635, 50.0377, 87.8506

Background



This preview shows how black text looks on a background with the XYZ color 51.1635, 50.0377, 87.8506.



This preview shows how white text looks on a background with the XYZ color 51.1635, 50.0377,

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

51.1635, 50.0377, 87.8506

Protanopia

50.3845, 49.9286, 88.6430

Deuteranopia

51.1635, 50.0377, 87.8506



Tritanopia

46.6665, 50.1189, 64.9719

Trichromacy



Original Color

51.1635, 50.0377, 87.8506

Protanomaly

50.8334, 50.1600, 88.6640

Deuteranomaly

51.1635, 50.0377, 87.8506

Tritanomaly

48.1868, 50.0902, 72.7743

Monochromacy



Original Color

51.1635, 50.0377, 87.8506

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.0404, 50.3599, 66.1672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1635, 50.0377, 87.8506 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(179, 184, 238)` looks like.

```
.text, #text, p{  
    color:rgb(179, 184, 238)  
}
```

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(179, 184, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 184, 238) }
```

Border

The CSS property to change the border of an element to XYZ 51.1635, 50.0377, 87.8506 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(179, 184, 238) }
```


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

```
.border{ border-color:rgb(179, 184, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 184, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 184, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 184, 238); box-shadow:4px 4px 4px 4px rgb(179, 184, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1635, 50.0377, 87.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 184, 238) }
```

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

```
.background{ background-color: rgb(179,  
184, 238) }
```

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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