

Converting Colors

XYZ(50.4730, 41.2847, 81.6905)

Have a look what the booklet for
XYZ(50.4730, 41.2847, 81.6905)
contains.

XYZ(50.3138, 41.1652, 81.6378)	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(50.3138, 41.1652,
81.6378)**

Conversions

Conversions Part 1

Format	Color
Hex	CA99E8
RGB	202, 153, 232
RGB Percent	79%, 60%, 91%
CMY	0.2078, 0.4000, 0.0902
CMYK	0.13, 0.34, 0.00, 0.09
HSL	277°, 63%, 75%
HSV	277°, 34%, 91%
XYZ	50.3138, 41.1652, 81.6378
YIQ	176.6570, 3.8450, 34.9570

Conversions

Conversions Part 2

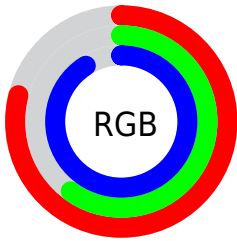
Format	Color
R _Y B	202, 153, 232
Decimal	13277672
CIE Lab	70.29, 32.52, -32.92
CIE LCh	70, 46.273, 314.657
Yxy	41.1652, 0.2906, 0.2378
Android (android.graphics.Color)	4291467752 (0xFFCA99E8)
YUV	176.6570, 27.2841, 22.2258
Hunter-Lab	64.1601, 27.6979, -30.5290

Details

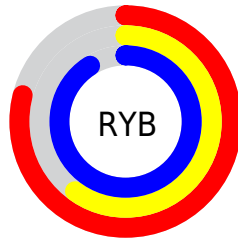
The XYZ color **50.3138, 41.1652, 81.6378** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.1362, 70.0814, 40.8126**, and the grayscale version is **41.4715, 43.6313, 47.5144**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **24.5228, 18.6450, 43.3806** is the 20% darker color. If you saturate the color by 10%, you get **44.5634, 33.1021, 80.3852**, and if you desaturate by 10%, it is **56.9412, 50.7783, 83.1447**.

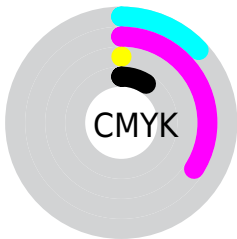
Distribution



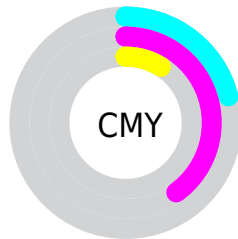
- Red (79%)
- Green (60%)
- Blue (91%)



- Red (79%)
- Yellow (60%)
- Blue (91%)



- Cyan (13%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)




- Cyan (21%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3138, 41.1652, 81.6378 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 50.3138, 41.1652, 81.6378 by changing the saturation by 10% instead.


 50.3138, 41.1652,
81.6378


 50.3138, 41.1652,
81.6378


378.3236,
351.0106, 520.2869

 35.8816, 28.4482,
60.5330


 89.8287, 76.9346,
137.4981

 24.5125, 18.6638,
43.4203


 115.6421,
100.7558, 173.0906

 15.8410, 11.4276,
29.8811


145.9800,
129.0472, 214.3494

 9.5018, 6.3552,
19.4971

181.2076,
162.1931, 261.6931

 5.1296, 3.0623,
11.8496

221.6905,
200.5780, 315.5401

 2.3591, 1.1643,
6.5200

267.7938,

 0.8246, 0.0323,

244.5863, 376.3091

3.0899

319.8831,
294.6024, 444.4185

■ 0.0000, 0.0000,
1.1407

■ 0.0000, 0.0000,
0.0000

■ 50.3138, 41.1652,
81.6378

■ 50.3138, 41.1652,
81.6378

■ 44.5634, 33.1021,
80.3852

■ 56.9412, 50.7783,
83.1447

■ 39.6408, 26.4968,
79.3697

■ 64.4832, 62.0162,
84.9163

■ 35.4976, 21.2550,
78.5763

■ 72.9801, 74.9553,
86.9660

■ 32.0781, 17.2688,
77.9871

■ 82.4682, 89.6653,
89.3052

■ 29.3182, 14.4137,
77.5815

■ 88.3503, 96.9487,
90.4010

■ 27.1401, 12.5379,
77.3342

■ 91.5153, 98.5803,
90.5491

■ 26.0495, 11.7464,
77.2389

■ 91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



42.9389, 41.1652, 98.6785



50.3138, 41.1652, 81.6378



54.9659, 41.1652, 56.8234

Triad

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



50.3138, 41.1652, 81.6378



43.1188, 41.1652, 15.3781



26.6307, 41.1652, 56.2588

Complementary

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



50.3138, 41.1652, 81.6378



54.1362, 70.0814, 40.8126

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.



26.6658, 41.1652, 34.6417



50.3138, 41.1652, 81.6378



35.5464, 41.1652, 15.3147

Square

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



50.3138, 41.1652, 81.6378



50.4601, 41.1652, 21.3846



29.7338, 41.1652, 21.1692



29.6309, 41.1652, 81.1110

Rectangle

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



50.3138, 41.1652, 81.6378



55.5604, 41.1652, 41.5114



29.7338, 41.1652, 21.1692



26.3017, 41.1652, 48.3039

Sweetspot

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



50.3152, 41.1669, 81.6387



83.9745, 83.0052, 106.2034



44.6959, 46.5842, 82.9805



17.6619, 17.2929, 22.6569



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.



50.3152, 41.1669, 81.6387



57.1400, 43.6687, 100.0250



57.9612, 45.2559, 75.3403



14.4371, 14.3276, 18.1489



14.6059, 6.5955, 42.8864



1.1819, 0.5402, 3.1740

Inverse Universe

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



53.2185, 43.3588, 50.3657



61.5293, 46.9410, 54.6204



48.5357, 67.1029, 44.6793



14.6023, 14.4581, 16.1061



19.5119, 9.9390, 6.3246



1.4859, 0.7521, 0.6995

Previews

White Background



This preview shows how the XYZ color 50.3138, 41.1652, 81.6378 looks on a white background.

Color Contrast Check

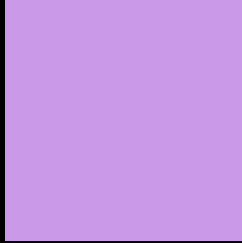
Large Text (above 18pt) WCAG AA × Fail

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 50.3138, 41.1652, 81.6378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

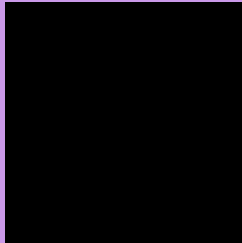
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3138, 41.1652, 81.6378

Background



This preview shows how black text looks on a background with the XYZ color 50.3138, 41.1652, 81.6378.



This preview shows how white text looks on a background with the XYZ color 50.3138, 41.1652,

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

50.3138, 41.1652, 81.6378

Protanopia

43.0689, 41.6379, 92.1531

Deuteranopia

42.4314, 41.3022, 79.8645



Tritanopia

43.2036, 41.0627, 47.2438

Trichromacy



Original Color

50.3138, 41.1652, 81.6378

Protanomaly

45.1521, 41.1670, 88.0043

Deuteranomaly

44.8357, 40.9062, 80.3955

Tritanomaly

45.4138, 40.9086, 58.3259

Monochromacy



Original Color

50.3138, 41.1652, 81.6378

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.3304, 42.4756, 58.6855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3138, 41.1652, 81.6378 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(202, 153, 232)` looks like.

```
.text, #text, p{  
    color:rgb(202, 153, 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(202, 153, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 153, 232) }
```

Border

The CSS property to change the border of an element to XYZ 50.3138, 41.1652, 81.6378 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(202, 153, 232) }
```


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

```
.border{ border-color:rgb(202, 153, 232) }
```

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

Here you see how a box with a 4 pixel rgb(202, 153, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 153, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 153, 232);  
box-shadow:4px 4px 4px 4px rgb(202, 153,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3138, 41.1652, 81.6378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 153, 232) }
```

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

```
.background{ background-color: rgb(202,  
153, 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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