

Converting Colors

XYZ(48.1605, 42.1850,
100.2119)

Have a look what the booklet for
XYZ(48.1605, 42.1850, 100.2119)
contains.

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Color

**XYZ(48.1605, 42.1850,
100.2119)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA3FF
RGB	172, 163, 255
RGB Percent	67%, 64%, 100%
CMY	0.3255, 0.3608, 0.0000
CMYK	0.33, 0.36, 0.00, 0.00
HSL	246°, 100%, 82%
HSV	246°, 36%, 100%
XYZ	48.1605, 42.1850, 100.2119
YIQ	176.1790, -24.1680, 30.5200

Conversions

Conversions Part 2

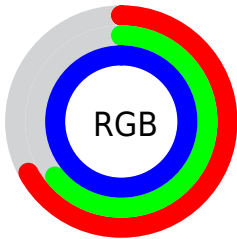
Format	Color
R _Y B	172, 163, 255
Decimal	11314175
CIE Lab	71.00, 23.62, -44.55
CIE LCh	71, 50.422, 297.937
Yxy	42.1850, 0.2527, 0.2214
Android (android.graphics.Color)	4289504255 (0xFFACA3FF)
YUV	176.1790, 38.8588, -3.6650
Hunter-Lab	64.9500, 18.6955, -46.0141

Details

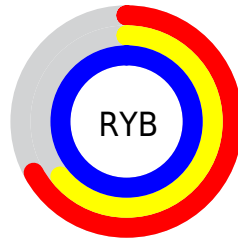
The XYZ color **48.1605, 42.1850, 100.2119** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.3767, 93.7571, 48.5123**, and the grayscale version is **41.1741, 43.3184, 47.1737**.

A 20% lighter version of the original color is **75.4345, 74.0208, 104.9194**, and **23.2136, 19.2280, 55.9140** is the 20% darker color. If you saturate the color by 10%, you get **39.4616, 31.6441, 98.6358**, and if you desaturate by 10%, it is **58.6489, 55.0050, 102.1336**.

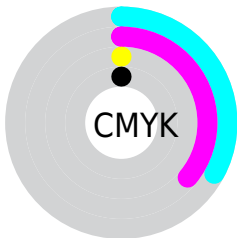
Distribution



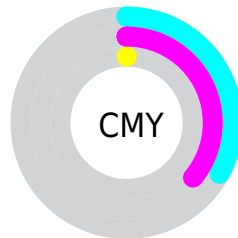
- Red (67%)
- Green (64%)
- Blue (100%)



- Red (67%)
- Yellow (64%)
- Blue (100%)



- Cyan (33%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1605, 42.1850, 100.2119 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 48.1605, 42.1850, 100.2119 by changing the saturation by 10% instead.


 48.1605, 42.1850,
100.2119


 48.1605, 42.1850,
100.2119


370.0000,
355.2493, 582.1243

 34.1658, 29.2462,
75.8596


 86.6516, 78.4795,
163.5028

 23.1845, 19.2671,
55.8115


 111.8786,
102.6040, 203.2785

 14.8512, 11.8635,
39.6488


141.5805,
131.2259, 249.0324

 8.8007, 6.6508,
26.9531

176.1226,
164.7295, 301.1831

 4.6675, 3.2447,
17.3059

215.8703,
203.4992, 360.1491

 2.0862, 1.2608,
10.2886

261.1888,

 0.6817, 0.1105,

247.9195, 426.3489

5.4826

312.4436,
298.3747, 500.2011

■ 0.0000, 0.0000,
2.4695

■ 0.0000, 0.0000,
0.8239

■ 48.1605, 42.1850,
100.2119

■ 48.1605, 42.1850,
100.2119

■ 39.4616, 31.6441,
98.6358

■ 58.6489, 55.0050,
102.1336

■ 32.4478, 23.2442,
97.3841

■ 71.0150, 70.2222,
104.4191

■ 27.0104, 16.8391,
96.4344

■ 85.3461, 87.9520,
107.0860

■ 23.0258, 12.2626,
95.7611

95.0500, 100.0000,
108.9000

■ 20.3521, 9.3211,
95.3342

■ 18.8174, 7.7768,
95.1170

■ 18.4497, 7.4260,
95.0687

Harmonies

Analogous

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



39.5162, 42.1850, 109.5159



48.1605, 42.1850, 100.2119



55.4238, 42.1850, 75.1710

Triad

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



48.1605, 42.1850, 100.2119



49.3090, 42.1850, 16.7979



26.0067, 42.1850, 44.2849

Complementary

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



48.1605, 42.1850, 100.2119



80.3767, 93.7571, 48.5123

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.



27.8913, 42.1850, 25.4696



48.1605, 42.1850, 100.2119



40.6806, 42.1850, 13.4507

Square

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



48.1605, 42.1850, 100.2119



56.1494, 42.1850, 27.4691



32.9854, 42.1850, 15.9595



27.4366, 42.1850, 71.2310

Rectangle

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



48.1605, 42.1850, 100.2119



58.0834, 42.1850, 56.3088



32.9854, 42.1850, 15.9595



26.2673, 42.1850, 36.9159

Sweetspot

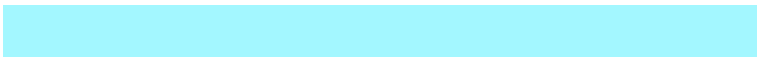
The Sweet Spot groups the original color and five complimentary colors.



48.1619, 42.1865, 100.2122



78.0406, 78.9033, 105.7244



66.5177, 81.7326, 106.8779



16.2916, 16.3786, 22.5527



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.



48.1619, 42.1865, 100.2122



41.9545, 34.6537, 99.0853



59.6644, 48.1163, 100.7505



17.1678, 17.4627, 22.7158



9.6945, 3.9082, 49.6780



0.9964, 0.4076, 4.8394

Inverse Universe

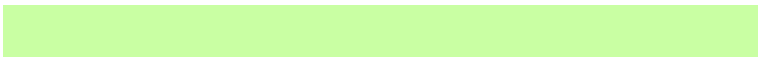
The Inverse Universe completely reimagines the original color for something new.



70.9721, 54.1092, 93.8912



67.7894, 48.1661, 91.5284



66.5487, 86.6284, 47.8652



18.7115, 18.2679, 22.3641



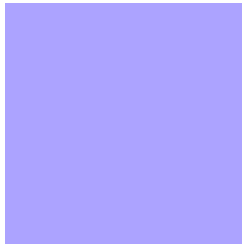
29.0469, 14.1081, 40.4931



2.8495, 1.3822, 4.0549

Previews

White Background



This preview shows how the XYZ color 48.1605, 42.1850, 100.2119 looks on a white background.

Color Contrast Check

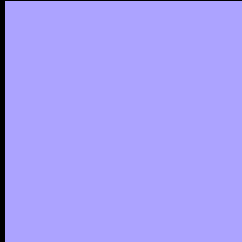
Large Text (above 18pt) WCAG AA × Fail

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 48.1605, 42.1850, 100.2119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

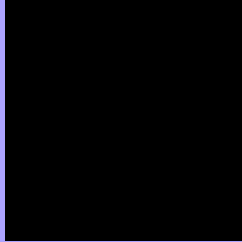
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1605, 42.1850, 100.2119

Background



This preview shows how black text looks on a background with the XYZ color 48.1605, 42.1850, 100.2119.



This preview shows how white text looks on a background with the XYZ color 48.1605, 42.1850,

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

48.1605, 42.1850, 100.2119

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.4667, 42.2596, 98.7945



Tritanopia

38.9201, 42.0375, 54.7779

Trichromacy



Original Color

48.1605, 42.1850, 100.2119

Protanomaly

45.5702, 42.1938, 100.3502

Deuteranomaly

45.0263, 42.2071, 99.5396

Tritanomaly

41.8048, 41.7674, 69.4769

Monochromacy



Original Color

48.1605, 42.1850, 100.2119

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2616, 42.6476, 63.7093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1605, 42.1850, 100.2119 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(172, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 255)  
}
```

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(172, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1605, 42.1850, 100.2119 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(172, 163, 255) }
```


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

```
.border{ border-color:rgb(172, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1605, 42.1850, 100.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 255) }
```

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

```
.background{ background-color: rgb(172,  
163, 255) }
```

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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