

Converting Colors

XYZ(48.8867, 46.1649,
100.9419)

Have a look what the booklet for
XYZ(48.8867, 46.1649, 100.9419)
contains.

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Color

**XYZ(48.8852, 46.1632,
100.9416)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B0FF
RGB	164, 176, 255
RGB Percent	64%, 69%, 100%
CMY	0.3568, 0.3098, 0.0000
CMYK	0.36, 0.31, 0.00, 0.00
HSL	232°, 100%, 82%
HSV	232°, 36%, 100%
XYZ	48.8852, 46.1632, 100.9416
YIQ	181.4180, -32.5110, 22.0250

Conversions

Conversions Part 2

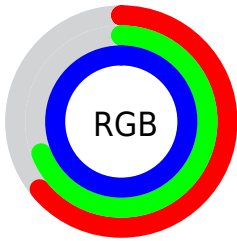
Format	Color
RYB	164, 175, 255
Decimal	10793215
CIELab	73.65, 14.18, -40.44
CIELCh	74, 42.856, 289.318
Yxy	46.1632, 0.2494, 0.2355
Android (android.graphics.Color)	4288983295 (0xFFA4B0FF)
YUV	181.4180, 36.2759, -15.2756
Hunter-Lab	67.9435, 9.5292, -40.5249

Details

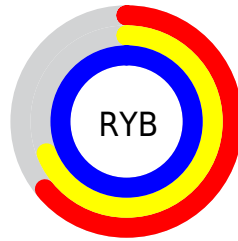
The XYZ color **48.8852, 46.1632, 100.9416** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.9921, 88.0422, 47.9017**, and the grayscale version is **43.9708, 46.2607, 50.3779**.

A 20% lighter version of the original color is **76.4447, 79.7440, 105.9708**, and **23.7074, 21.7437, 56.3735** is the 20% darker color. If you saturate the color by 10%, you get **40.1483, 35.7333, 99.3889**, and if you desaturate by 10%, it is **59.3878, 58.5559, 102.7801**.

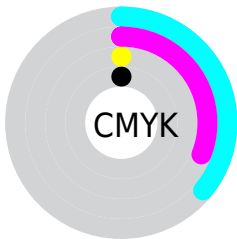
Distribution



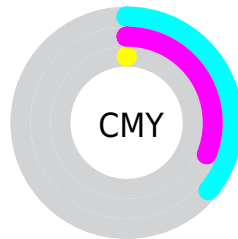
- Red (64%)
- Green (69%)
- Blue (100%)



- Red (64%)
- Yellow (69%)
- Blue (100%)



- Cyan (36%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8852, 46.1632, 100.9416 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 48.8852, 46.1632, 100.9416 by changing the saturation by 10% instead.

■ 48.8852, 46.1632,
100.9416

■ 48.8852, 46.1632,
100.9416

372.8147,
371.4644, 584.4798

■ 34.7426, 32.3746,
76.4659

■ 87.7227, 84.4632,
164.5137

■ 23.6302, 21.6478,
56.3057

■ 113.1482,
109.7434, 204.4472

■ 15.1828, 13.5983,
40.0424

143.0655,
139.6229, 250.3703

■ 9.0349, 7.8418,
27.2576

177.8398,
174.4862, 302.7016

■ 4.8213, 3.9939,
17.5326

217.8365,
214.7176, 361.8597

■ 2.1765, 1.6702,
10.4490

263.4210,

■ 0.7303, 0.4042,

260.7015, 428.2630

5.5882

314.9586,
312.8223, 502.3302

■ 0.0000, 0.0000,
2.5316

■ 0.0000, 0.0000,
0.8568

■ 48.8852, 46.1632,
100.9416

■ 48.8852, 46.1632,
100.9416

■ 40.1483, 35.7333,
99.3889

■ 59.3878, 58.5559,
102.7801

■ 33.0750, 27.1599,
98.1069

■ 71.7418, 73.0002,
104.9170

■ 27.5596, 20.3344,
97.0801

■ 86.0325, 89.5856,
107.3651

■ 23.4819, 15.1343,
96.2913

95.0500, 100.0000,
108.9000

■ 20.7038, 11.4212,
95.7210

■ 19.0584, 9.0319,
95.3466

■ 18.6114, 8.3428,
95.2371

Harmonies

Analogous

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



41.2260, 46.1632, 103.5573



48.8852, 46.1632, 100.9416



55.9042, 46.1632, 82.7395

Triad

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



48.8852, 46.1632, 100.9416



54.0973, 46.1632, 24.7582



31.0381, 46.1632, 42.9056

Complementary

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



48.8852, 46.1632, 100.9416



79.9921, 88.0422, 47.9017

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.



33.7114, 46.1632, 27.6395



48.8852, 46.1632, 100.9416



46.6387, 46.1632, 19.3571

Square

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



48.8852, 46.1632, 100.9416



59.1451, 46.1632, 37.6633



39.2226, 46.1632, 20.2324



31.4920, 46.1632, 65.4014

Rectangle

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



48.8852, 46.1632, 100.9416



59.0001, 46.1632, 66.5231



39.2226, 46.1632, 20.2324



31.5874, 46.1632, 36.8965

Sweetspot

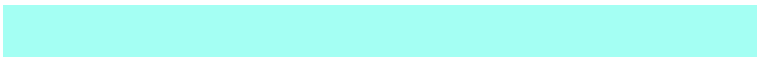
The Sweet Spot groups the original color and five complimentary colors.



48.8867, 46.1649, 100.9419



78.1905, 80.4982, 106.0244



67.2283, 85.8760, 97.7213



16.3270, 16.7550, 22.6235



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.



48.8867, 46.1649, 100.9419



42.3265, 38.3470, 99.7786



54.4490, 45.6926, 100.5575



17.1961, 17.7637, 22.7724



9.7838, 4.4773, 49.7831



1.0096, 0.5498, 4.8662

Inverse Universe

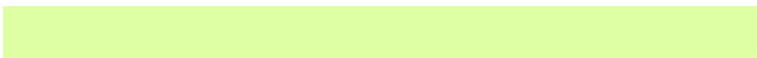
The Inverse Universe completely reimagines the original color for something new.



62.3530, 50.9471, 47.6234



57.7474, 44.1493, 38.6482



72.4737, 89.6725, 48.6127



18.1069, 18.0261, 19.1799



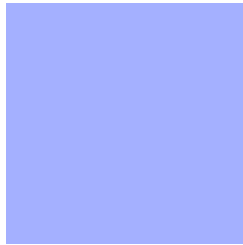
21.7266, 11.1799, 1.9450



2.1442, 1.1000, 0.3407

Previews

White Background



This preview shows how the XYZ color 48.8852, 46.1632, 100.9416 looks on a white background.

Color Contrast Check

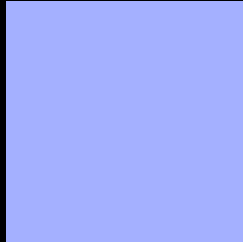
Large Text (above 18pt) WCAG AA × Fail

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 48.8852, 46.1632, 100.9416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

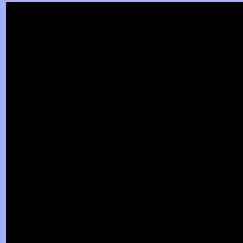
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8852, 46.1632, 100.9416

Background



This preview shows how black text looks on a background with the XYZ color 48.8852, 46.1632, 100.9416.



This preview shows how white text looks on a background with the XYZ color 48.8852, 46.1632,

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

48.8852, 46.1632, 100.9416

Protanopia

47.8750, 46.2289, 101.0075

Deuteranopia

47.3359, 46.2660, 100.2013



Tritanopia

41.0504, 46.0103, 61.9756

Trichromacy



Original Color

48.8852, 46.1632, 100.9416

Protanomaly

48.2693, 46.1379, 100.9692

Deuteranomaly

47.9103, 46.2656, 100.1709

Tritanomaly

43.4894, 45.7443, 74.9440

Monochromacy



Original Color

48.8852, 46.1632, 100.9416

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.1845, 45.9082, 66.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8852, 46.1632, 100.9416 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(164, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 176, 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(164, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8852, 46.1632, 100.9416 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(164, 176, 255) }
```


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

```
.border{ border-color:rgb(164, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8852, 46.1632, 100.9416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 176, 255) }
```

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

```
.background{ background-color: rgb(164,  
176, 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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