

Converting Colors

XYZ(48.3770, 52.6321, 85.4582)

Have a look what the booklet for
XYZ(48.3770, 52.6321, 85.4582)
contains.

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Color

**XYZ(48.3015, 52.4883,
85.4274)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC4EA
RGB	156, 196, 234
RGB Percent	61%, 77%, 92%
CMY	0.3882, 0.2314, 0.0823
CMYK	0.33, 0.16, 0.00, 0.08
HSL	209°, 65%, 76%
HSV	209°, 33%, 92%
XYZ	48.3015, 52.4883, 85.4274
YIQ	188.3720, -36.0380, 3.3380

Conversions

Conversions Part 2

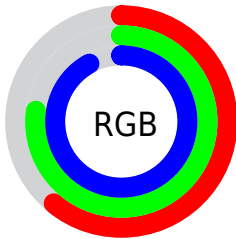
Format	Color
R _Y B	156, 182, 234
Decimal	10274026
CIE Lab	77.57, -4.32, -23.13
CIE LCh	78, 23.533, 259.414
Yxy	52.4883, 0.2594, 0.2819
Android (android.graphics.Color)	4288464106 (0xFF9CC4EA)
YUV	188.3720, 22.4946, -28.3902
Hunter-Lab	72.4488, -7.7798, -19.1971

Details

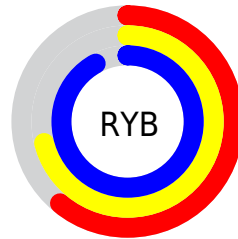
The XYZ color **48.3015, 52.4883, 85.4274** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2251, 58.4770, 39.6197**, and the grayscale version is **47.9035, 50.3982, 54.8837**.

A 20% lighter version of the original color is **80.3267, 91.4676, 108.0291**, and **23.1884, 25.3851, 45.7971** is the 20% darker color. If you saturate the color by 10%, you get **41.7280, 45.4274, 84.4119**, and if you desaturate by 10%, it is **55.9459, 60.3938, 86.5513**.

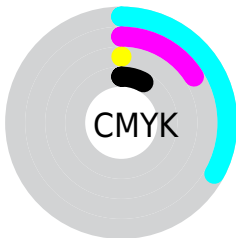
Distribution



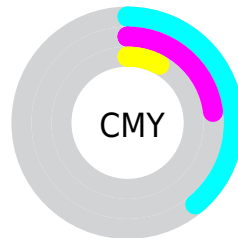
- Red (61%)
- Green (77%)
- Blue (92%)



- Red (61%)
- Yellow (71%)
- Blue (92%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (39%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3015, 52.4883, 85.4274 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 48.3015, 52.4883, 85.4274 by changing the saturation by 10% instead.

■ 48.3015, 52.4883,
85.4274

■ 48.3015, 52.4883,
85.4274

370.5487,
396.3188, 533.2227

■ 34.2780, 37.3944,
63.6424

■ 86.8601, 93.8510,
142.8496

■ 23.2711, 25.5130,
45.9168

■ 112.1259,
120.8886, 179.3239

■ 14.9156, 16.4597,
31.8320

141.8698,
152.6762, 221.5318

■ 8.8461, 9.8500,
20.9694

176.4572,
189.5983, 269.8917

■ 4.6972, 5.2996,
12.9106

216.2534,
232.0392, 324.8222

■ 2.1037, 2.4241,
7.2370

261.6239,

■ 0.6912, 0.8383,

280.3833, 386.7418

3.5301

312.9338,
335.0151, 456.0691

■ 0.0000, 0.0000,
1.3713

■ 0.0000, 0.0000,
0.1192

■ 48.3015, 52.4883,
85.4274

■ 48.3015, 52.4883,
85.4274

■ 41.7280, 45.4274,
84.4119

■ 55.9459, 60.3938,
86.5513

■ 36.1660, 39.1703,
83.4973

■ 64.7067, 69.1698,
87.7835

■ 31.5571, 33.6816,
82.6808

■ 74.6326, 78.8487,
89.1286

■ 27.8345, 28.9200,
81.9579

■ 85.7678, 89.4592,
90.5897

■ 24.9217, 24.8388,
81.3237

■ 91.2173, 97.4523,
91.8453

■ 22.7263, 21.3830,
80.7723

■ 91.8515, 98.7206,
92.0567

■ 21.5685, 19.3747,
80.4457

Harmonies

Analogous

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



44.4203, 52.4883, 78.3250



48.3015, 52.4883, 85.4274



52.8478, 52.4883, 84.1314

Triad

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



48.3015, 52.4883, 85.4274



58.5859, 52.4883, 49.2345



43.5464, 52.4883, 42.3756

Complementary

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



48.3015, 52.4883, 85.4274



59.2251, 58.4770, 39.6197

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.



47.0419, 52.4883, 36.6600



48.3015, 52.4883, 85.4274



55.7881, 52.4883, 40.1844

Square

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



48.3015, 52.4883, 85.4274



58.9740, 52.4883, 61.8693



51.5100, 52.4883, 35.9239



41.7877, 52.4883, 52.6786

Rectangle

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



48.3015, 52.4883, 85.4274



55.6409, 52.4883, 78.7312



51.5100, 52.4883, 35.9239



44.5470, 52.4883, 39.9251

Sweetspot

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



48.3032, 52.4904, 85.4286



82.4471, 87.8089, 107.2111



52.8383, 69.7963, 61.5510



17.2931, 18.4474, 22.8992



0.0000, 0.0000, 0.0000



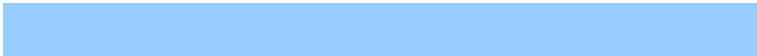
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3032, 52.4904, 85.4286



53.0923, 57.8032, 102.9666



40.6708, 37.2255, 82.8845



14.8700, 15.8264, 19.1933



12.2468, 11.1406, 45.2478



1.0580, 1.0674, 3.5851

Inverse Universe

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



55.7853, 45.2564, 58.0219



63.6881, 48.4652, 63.9517



68.9875, 78.0019, 42.8738



15.3879, 15.1830, 17.3281



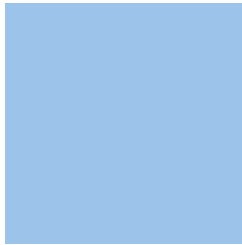
21.0369, 10.6175, 11.2616



1.7005, 0.8532, 1.1402

Previews

White Background



This preview shows how the XYZ color 48.3015, 52.4883, 85.4274 looks on a white background.

Color Contrast Check

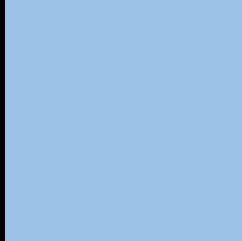
Large Text (above 18pt) WCAG AA × Fail

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 48.3015, 52.4883, 85.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

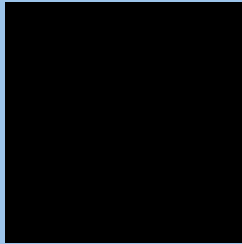
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

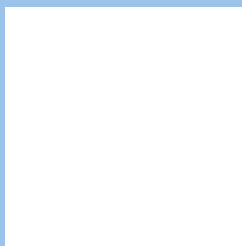
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3015, 52.4883, 85.4274

Background



This preview shows how black text looks on a background with the XYZ color 48.3015, 52.4883, 85.4274.

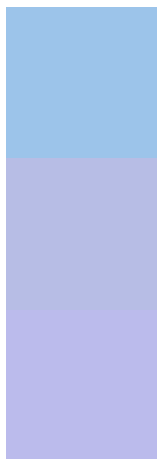


This preview shows how white text looks on a background with the XYZ color 48.3015, 52.4883,

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

48.3015, 52.4883, 85.4274

Protanopia

51.8689, 52.1196, 81.4550

Deuteranopia

53.4042, 52.1616, 86.6104



Tritanopia

45.6381, 52.4285, 72.0043

Trichromacy



Original Color

48.3015, 52.4883, 85.4274

Protanomaly

50.5070, 52.3530, 83.0444

Deuteranomaly

51.3133, 52.0552, 85.9404

Tritanomaly

46.5158, 52.4344, 76.7764

Monochromacy



Original Color

48.3015, 52.4883, 85.4274

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.5547, 50.8995, 65.0758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3015, 52.4883, 85.4274 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(156, 196, 234)` looks like.

```
.text, #text, p{  
    color:rgb(156, 196, 234)  
}
```

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(156, 196, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 196, 234) }
```

Border

The CSS property to change the border of an element to XYZ 48.3015, 52.4883, 85.4274 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(156, 196, 234) }
```


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

```
.border{ border-color:rgb(156, 196, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 196, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 196, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 196, 234);  
box-shadow:4px 4px 4px 4px rgb(156, 196,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3015, 52.4883, 85.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 196, 234) }
```

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

```
.background{ background-color: rgb(156,  
196, 234) }
```

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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