

Converting Colors

XYZ(51.0417, 53.2903, 82.0922)

Have a look what the booklet for
XYZ(51.0417, 53.2903, 82.0922)
contains.

XYZ(51.0303, 53.2954, 82.4604)	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(51.0303, 53.2954,
82.4604)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC2E6
RGB	174, 194, 230
RGB Percent	68%, 76%, 90%
CMY	0.3176, 0.2392, 0.0980
CMYK	0.24, 0.16, 0.00, 0.10
HSL	219°, 53%, 79%
HSV	219°, 24%, 90%
XYZ	51.0303, 53.2954, 82.4604
YIQ	192.1240, -23.4760, 6.9560

Conversions

Conversions Part 2

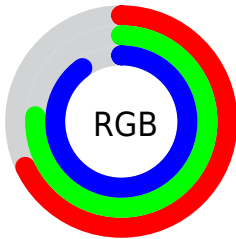
Format	Color
RYB	174, 189, 230
Decimal	11453158
CIELab	78.05, 1.00, -20.15
CIELCh	78, 20.173, 272.832
Yxy	53.2954, 0.2732, 0.2853
Android (android.graphics.Color)	4289643238 (0xFFAEC2E6)
YUV	192.1240, 18.6729, -15.8947
Hunter-Lab	73.0037, -2.9832, -15.8677

Details

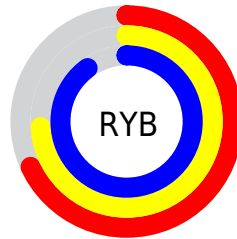
The XYZ color **51.0303, 53.2954, 82.4604** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.3205, 65.9726, 49.4425**, and the grayscale version is **50.0809, 52.6890, 57.3783**.

A 20% lighter version of the original color is **84.8687, 92.4142, 107.9724**, and **25.0500, 26.1707, 43.7756** is the 20% darker color. If you saturate the color by 10%, you get **43.2101, 44.6208, 81.1991**, and if you desaturate by 10%, it is **60.0586, 63.0814, 83.8743**.

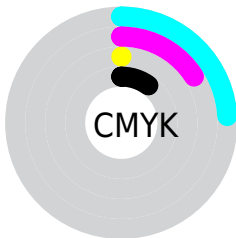
Distribution



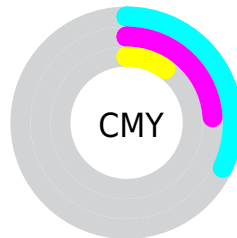
- Red (68%)
- Green (76%)
- Blue (90%)



- Red (68%)
- Yellow (74%)
- Blue (90%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (10%)



- Cyan (32%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0303, 53.2954, 82.4604 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 51.0303, 53.2954, 82.4604 by changing the saturation by 10% instead.

■ 51.0303, 53.2954,
82.4604

■ 51.0303, 53.2954,
82.4604

381.0672,
399.4174, 523.1102

■ 36.4539, 38.0386,
61.2071

■ 90.8823, 95.0389,
138.6619

■ 24.9567, 26.0127,
43.9607

116.8885,
122.2944, 174.4472

■ 16.1733, 16.8331,
30.3026

147.4355,
154.3184, 215.9135

■ 9.7385, 10.1156,
19.8144

182.8884,
191.4950, 263.4795

■ 5.2869, 5.4757,
12.0775

223.6126,
234.2089, 317.5636

■ 2.4530, 2.5290,
6.6733

269.9736,

■ 0.8716, 0.8911,

282.8443, 378.5844

3.1833

322.3367,
337.7857, 446.9604

■ 0.0000, 0.0000,
1.1890

■ 0.0000, 0.0000,
0.0000

■ 51.0303, 53.2954,
82.4604

■ 51.0303, 53.2954,
82.4604

■ 43.2101, 44.6208,
81.1991

■ 60.0586, 63.0814,
83.8743

■ 36.5388, 37.0090,
80.0815

■ 70.3406, 74.0121,
85.4422

■ 30.9594, 30.4173,
79.1032

■ 81.9257, 86.1271,
87.1701

■ 26.4079, 24.7970,
78.2583

■ 90.6940, 97.3151,
88.8674

■ 22.8127, 20.0948,
77.5402

■ 91.2831, 98.4932,
89.0638

■ 20.0922, 16.2513,
76.9417

■ 18.1483, 13.1971,
76.4546

■ 17.3117, 11.7704,
76.2233

Harmonies

Analogous

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



47.2806, 53.2954, 79.5097



51.0303, 53.2954, 82.4604



54.8675, 53.2954, 78.1967

Triad

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



51.0303, 53.2954, 82.4604



57.2794, 53.2954, 47.0612



44.2211, 53.2954, 48.6918

Complementary

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



51.0303, 53.2954, 82.4604



63.3205, 65.9726, 49.4425

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.



46.6651, 53.2954, 41.6673



51.0303, 53.2954, 82.4604



54.1877, 53.2954, 40.8150

Square

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



51.0303, 53.2954, 82.4604



58.5904, 53.2954, 56.9659



50.2829, 53.2954, 38.9746



43.4717, 53.2954, 59.1065

Rectangle

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



51.0303, 53.2954, 82.4604



56.9240, 53.2954, 72.1224



50.2829, 53.2954, 38.9746



44.8652, 53.2954, 45.9038

Sweetspot

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



51.0320, 53.2975, 82.4616



85.2332, 89.6665, 107.4228



57.3201, 70.2200, 71.1589



18.0704, 19.0090, 22.9666



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.



51.0320, 53.2975, 82.4616



59.5429, 61.9000, 103.4174



48.5860, 45.8671, 81.1563



14.0020, 14.7254, 18.2486



9.9058, 6.8737, 43.1878



0.8174, 0.6787, 3.2199

Inverse Universe

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



57.5082, 50.9917, 57.8526



69.0932, 58.8557, 67.0472



66.2257, 75.2646, 51.0829



14.5886, 14.4526, 16.0339



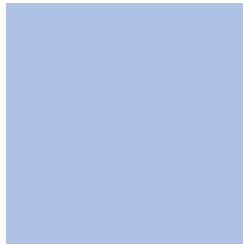
19.3935, 9.8916, 5.7011



1.4762, 0.7482, 0.6482

Previews

White Background



This preview shows how the XYZ color 51.0303, 53.2954, 82.4604 looks on a white background.

Color Contrast Check

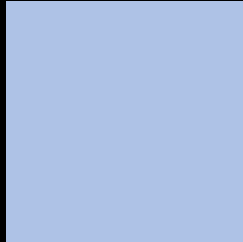
Large Text (above 18pt) WCAG AA × Fail

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 51.0303, 53.2954, 82.4604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

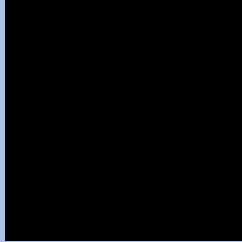
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0303, 53.2954, 82.4604

Background



This preview shows how black text looks on a background with the XYZ color 51.0303, 53.2954, 82.4604.

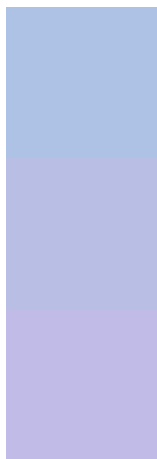


This preview shows how white text looks on a background with the XYZ color 51.0303, 53.2954,

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

51.0303, 53.2954, 82.4604

Protanopia

52.6420, 53.1773, 80.8885

Deuteranopia

54.1453, 52.9424, 82.9665



Tritanopia

48.7711, 53.3945, 70.6865

Trichromacy



Original Color

51.0303, 53.2954, 82.4604

Protanomaly

52.0485, 53.1802, 81.6503

Deuteranomaly

52.8448, 52.9107, 83.0289

Tritanomaly

49.5394, 53.3650, 74.7073

Monochromacy



Original Color

51.0303, 53.2954, 82.4604

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.2181, 52.9104, 65.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0303, 53.2954, 82.4604 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(174, 194, 230)` looks like.

```
.text, #text, p{  
    color:rgb(174, 194, 230)  
}
```

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(174, 194, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 194, 230) }
```

Border

The CSS property to change the border of an element to XYZ 51.0303, 53.2954, 82.4604 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(174, 194, 230) }
```


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

```
.border{ border-color:rgb(174, 194, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 194, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 194, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 194, 230); box-shadow:4px 4px 4px 4px rgb(174, 194, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0303, 53.2954, 82.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 194, 230) }
```

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

```
.background{ background-color: rgb(174,  
194, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor