

Converting Colors

XYZ(46.9925, 52.0375, 80.5560)

Have a look what the booklet for
XYZ(46.9925, 52.0375, 80.5560)
contains.

XYZ(46.9315, 51.8959, 80.2164)	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(46.9315, 51.8959,
80.2164)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC4E3
RGB	154, 196, 227
RGB Percent	60%, 77%, 89%
CMY	0.3961, 0.2314, 0.1098
CMYK	0.32, 0.14, 0.00, 0.11
HSL	205°, 57%, 75%
HSV	205°, 32%, 89%
XYZ	46.9315, 51.8959, 80.2164
YIQ	186.9760, -34.9830, 0.7370

Conversions

Conversions Part 2

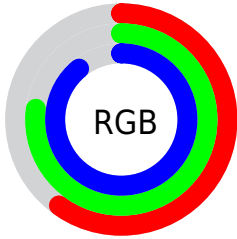
Format	Color
RYB	154, 181, 227
Decimal	10142947
CIELab	77.22, -6.61, -19.91
CIELCh	77, 20.980, 251.639
Yxy	51.8959, 0.2621, 0.2899
Android (android.graphics.Color)	4288333027 (0xFF9AC4E3)
YUV	186.9760, 19.7318, -28.9200
Hunter-Lab	72.0388, -9.7796, -15.5932

Details

The XYZ color **46.9315, 51.8959, 80.2164** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.8612, 53.3627, 37.9819**, and the grayscale version is **47.1283, 49.5826, 53.9954**.

A 20% lighter version of the original color is **79.7536, 91.1722, 108.0023**, and **22.3749, 25.0339, 42.6825** is the 20% darker color. If you saturate the color by 10%, you get **40.9082, 45.6671, 79.3325**, and if you desaturate by 10%, it is **53.9148, 58.8293, 81.1875**.

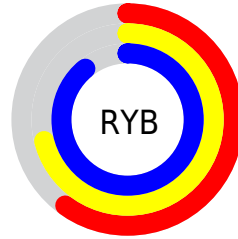
Distribution



Red (60%)

Green (77%)

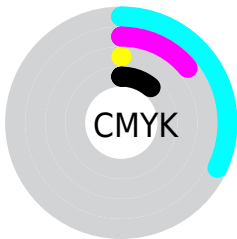
Blue (89%)



Red (60%)

Yellow (71%)

Blue (89%)

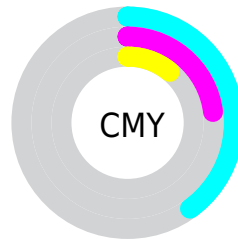


Cyan (32%)

Magenta (14%)

Yellow (0%)

Black (11%)



Cyan (40%)

Magenta (23%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9315, 51.8959, 80.2164 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 46.9315, 51.8959, 80.2164 by changing the saturation by 10% instead.

■ 46.9315, 51.8959,
80.2164

■ 46.9315, 51.8959,
80.2164

365.1945,
394.0346, 515.3878

■ 33.1892, 36.9221,
59.3692

■ 84.8307, 92.9777,
135.4841

■ 22.4314, 25.1472,
42.4885

■ 109.7184,
119.8545, 170.7417

■ 14.2926, 16.1867,
29.1555

139.0519,
151.4677, 211.6398

■ 8.4075, 9.6564,
18.9519

173.1966,
188.2018, 258.5971

■ 4.4108, 5.1717,
11.4591

212.5179,
230.4412, 312.0319

■ 1.9370, 2.3484,
6.2585

257.3810,

■ 0.5982, 0.7991,

278.5701, 372.3630

2.9316

308.1515,
332.9732, 440.0088

■ 0.0000, 0.0000,
1.0598

■ 0.0000, 0.0000,
0.0000

■ 46.9315, 51.8959,
80.2164

■ 46.9315, 51.8959,
80.2164

■ 40.9082, 45.6671,
79.3325

■ 53.9148, 58.8293,
81.1875

■ 35.7911, 40.1079,
78.5291

■ 61.8981, 66.4883,
82.2451

■ 31.5285, 35.1887,
77.8043

■ 70.9254, 74.9002,
83.3930

■ 28.0608, 30.8748,
77.1544

■ 81.0359, 84.0889,
84.6337

■ 25.3197, 27.1266,
76.5754

■ 87.5163, 91.6281,
85.7473

■ 23.2236, 23.8979,
76.0627

■ 90.4963, 97.5880,
86.7406

■ 21.9290, 21.6735,
75.7016

■ 90.8653, 98.3261,
86.8637

Harmonies

Analogous

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



43.7736, 51.8959, 72.5204



46.9315, 51.8959, 80.2164



50.9008, 51.8959, 81.0676

Triad

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



46.9315, 51.8959, 80.2164



57.2866, 51.8959, 52.1581



44.3678, 51.8959, 41.5295

Complementary

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



46.9315, 51.8959, 80.2164



54.8612, 53.3627, 37.9819

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.



47.7831, 51.8959, 37.4858



46.9315, 51.8959, 80.2164



55.3280, 51.8959, 43.0416

Square

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



46.9315, 51.8959, 80.2164



57.0279, 51.8959, 63.7666



51.7996, 51.8959, 37.9989



42.3498, 51.8959, 49.8182

Rectangle

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



46.9315, 51.8959, 80.2164



53.4905, 51.8959, 77.5159



51.7996, 51.8959, 37.9989



45.3825, 51.8959, 39.6830

Sweetspot

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



46.9331, 51.8979, 80.2176



82.9253, 88.7651, 107.3705



49.4923, 65.2875, 55.5714



17.4088, 18.6787, 22.9378



0.0000, 0.0000, 0.0000



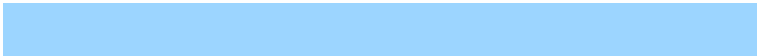
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9331, 51.8979, 80.2176



55.4097, 61.7158, 103.5997



39.7782, 37.5882, 77.8326



14.2680, 15.2573, 18.3373



12.9068, 12.8758, 44.1882



1.0454, 1.1347, 3.2959

Inverse Universe

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



53.1993, 43.4291, 57.8054



65.0341, 49.6786, 68.9589



63.3468, 70.3340, 40.8105



14.7228, 14.5063, 16.7409



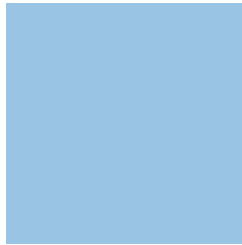
20.9083, 10.4975, 13.6779



1.5913, 0.7942, 1.2542

Previews

White Background



This preview shows how the XYZ color 46.9315, 51.8959, 80.2164 looks on a white background.

Color Contrast Check

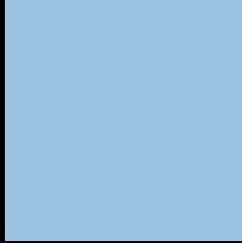
Large Text (above 18pt) WCAG AA × Fail

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 46.9315, 51.8959, 80.2164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

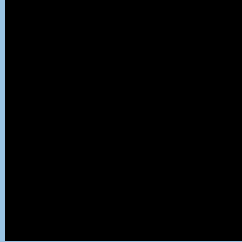
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9315, 51.8959, 80.2164

Background



This preview shows how black text looks on a background with the XYZ color 46.9315, 51.8959, 80.2164.



This preview shows how white text looks on a background with the XYZ color 46.9315, 51.8959,

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

46.9315, 51.8959, 80.2164

Protanopia

51.1496, 51.8595, 76.4212

Deuteranopia

52.6880, 51.5938, 81.3104



Tritanopia

45.0942, 51.8225, 71.2444

Trichromacy



Original Color

46.9315, 51.8959, 80.2164

Protanomaly

49.5378, 51.9653, 77.9404

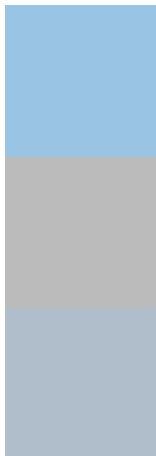
Deuteranomaly

50.3215, 51.6585, 80.7176

Tritanomaly

45.7013, 51.7224, 74.5925

Monochromacy



Original Color

46.9315, 51.8959, 80.2164

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.7533, 50.2051, 63.1035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9315, 51.8959, 80.2164 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(154, 196, 227)` looks like.

```
.text, #text, p{  
    color:rgb(154, 196, 227)  
}
```

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(154, 196, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 196, 227) }
```

Border

The CSS property to change the border of an element to XYZ 46.9315, 51.8959, 80.2164 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(154, 196, 227) }
```


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

```
.border{ border-color:rgb(154, 196, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 196, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 196, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 196, 227);  
box-shadow:4px 4px 4px 4px rgb(154, 196,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9315, 51.8959, 80.2164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 196, 227) }
```

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

```
.background{ background-color: rgb(154,  
196, 227) }
```

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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