

Converting Colors

XYZ(46.7223, 51.2766, 80.6030)

Have a look what the booklet for
XYZ(46.7223, 51.2766, 80.6030)
contains.

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Color

**XYZ(46.8451, 51.5017,
80.8706)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC3E4
RGB	154, 195, 228
RGB Percent	60%, 76%, 89%
CMY	0.3961, 0.2353, 0.1059
CMYK	0.32, 0.14, 0.00, 0.11
HSL	207°, 58%, 75%
HSV	207°, 32%, 89%
XYZ	46.8451, 51.5017, 80.8706
YIQ	186.5030, -35.0290, 1.5710

Conversions

Conversions Part 2

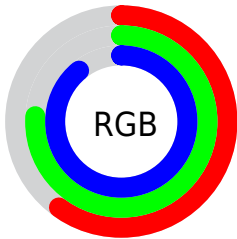
Format	Color
RYB	154, 180, 228
Decimal	10142692
CIELab	76.98, -5.83, -20.81
CIELCh	77, 21.611, 254.346
Yxy	51.5017, 0.2614, 0.2874
Android (android.graphics.Color)	4288332772 (0xFF9AC3E4)
YUV	186.5030, 20.4580, -28.5051
Hunter-Lab	71.7647, -9.0706, -16.5778

Details

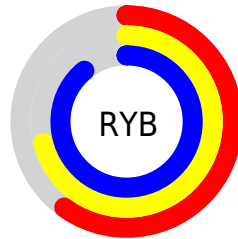
The XYZ color **46.8451, 51.5017, 80.8706** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.5987, 54.3682, 38.1369**, and the grayscale version is **46.8584, 49.2987, 53.6862**.

A 20% lighter version of the original color is **79.4387, 90.5424, 107.8973**, and **22.3232, 24.7762, 43.1409** is the 20% darker color. If you saturate the color by 10%, you get **40.7101, 45.0726, 79.9539**, and if you desaturate by 10%, it is **53.9626, 58.6699, 81.8800**.

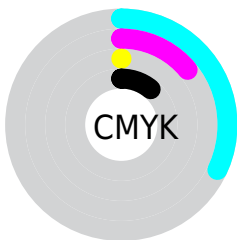
Distribution



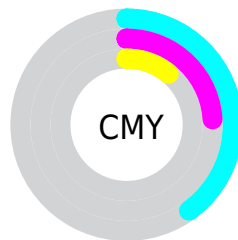
- Red (60%)
- Green (76%)
- Blue (89%)



- Red (60%)
- Yellow (71%)
- Blue (89%)



- Cyan (32%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8451, 51.5017, 80.8706 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 46.8451, 51.5017, 80.8706 by changing the saturation by 10% instead.

■ 46.8451, 51.5017,
80.8706

■ 46.8451, 51.5017,
80.8706

364.8551,
392.5099, 517.6459

■ 33.1207, 36.6080,
59.9047

■ 84.7025, 92.3959,
136.4115

■ 22.3786, 24.9042,
42.9170

■ 109.5662,
119.1653, 171.8235

■ 14.2535, 16.0057,
29.4891

138.8736,
150.6620, 212.8880

■ 8.3801, 9.5282,
19.2024

172.9902,
187.2705, 260.0235

■ 4.3929, 5.0873,
11.6383

212.2813,
229.3751, 313.6484

■ 1.9267, 2.2985,
6.3784

257.1123,

■ 0.5923, 0.7729,

277.3603, 374.1815

3.0040

307.8484,
331.6104, 442.0411

■ 0.0000, 0.0000,
1.0967

■ 0.0000, 0.0000,
0.0000

■ 46.8451, 51.5017,
80.8706

■ 46.8451, 51.5017,
80.8706

■ 40.7101, 45.0726,
79.9539

■ 53.9626, 58.6699,
81.8800

■ 35.5029, 39.3464,
79.1231

■ 62.1039, 66.5995,
82.9814

■ 31.1706, 34.2923,
78.3759

■ 71.3136, 75.3188,
84.1790

■ 27.6521, 29.8739,
77.7085

■ 81.6321, 84.8529,
85.4754

■ 24.8777, 26.0502,
77.1167

■ 88.1506, 92.6753,
86.6417

■ 22.7638, 22.7731,
76.5955

■ 91.0038, 98.3815,
87.5928

■ 21.5069, 20.6078,
76.2438

Harmonies

Analogous

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



43.5036, 51.5017, 73.4688



46.8451, 51.5017, 80.8706



50.9392, 51.5017, 81.0418

Triad

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



46.8451, 51.5017, 80.8706



57.0302, 51.5017, 50.6432



43.6219, 51.5017, 41.3720

Complementary

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



46.8451, 51.5017, 80.8706



55.5987, 54.3682, 38.1369

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.



47.0149, 51.5017, 36.8502



46.8451, 51.5017, 80.8706



54.8348, 51.5017, 41.6717

Square

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



46.8451, 51.5017, 80.8706



56.9784, 51.5017, 62.4211



51.1187, 51.5017, 36.9516



41.7151, 51.5017, 50.1773

Rectangle

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



46.8451, 51.5017, 80.8706



53.5556, 51.5017, 76.9620



51.1187, 51.5017, 36.9516



44.6178, 51.5017, 39.3592

Sweetspot

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



46.8467, 51.5037, 80.8718



82.7620, 88.4387, 107.3161



49.9410, 65.9059, 56.5817



17.3692, 18.5997, 22.9246



0.0000, 0.0000, 0.0000



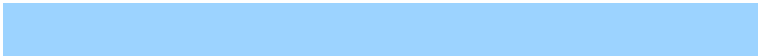
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8467, 51.5037, 80.8718



54.8815, 60.6594, 103.4236



39.7179, 37.2462, 78.4955



14.2417, 15.2047, 18.3285



12.5388, 12.1398, 44.0655



1.0189, 1.0818, 3.2871

Inverse Universe

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



53.4021, 43.5467, 57.2227



64.7675, 49.5719, 67.5549



64.2341, 71.6391, 41.0154



14.7096, 14.5010, 16.6710



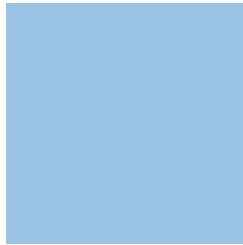
20.7225, 10.4232, 12.6997



1.5779, 0.7889, 1.1840

Previews

White Background



This preview shows how the XYZ color 46.8451, 51.5017, 80.8706 looks on a white background.

Color Contrast Check

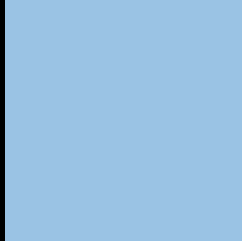
Large Text (above 18pt) WCAG AA × Fail

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 46.8451, 51.5017, 80.8706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

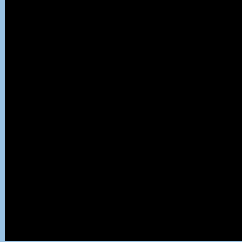
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8451, 51.5017, 80.8706

Background



This preview shows how black text looks on a background with the XYZ color 46.8451, 51.5017, 80.8706.



This preview shows how white text looks on a background with the XYZ color 46.8451, 51.5017,

80.8706.

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

46.8451, 51.5017, 80.8706

Protanopia

50.8309, 51.3614, 77.0467

Deuteranopia

52.3709, 51.1025, 81.9664



Tritanopia

44.7390, 51.3159, 70.4978

Trichromacy



Original Color

46.8451, 51.5017, 80.8706

Protanomaly

49.2347, 51.4685, 78.5736

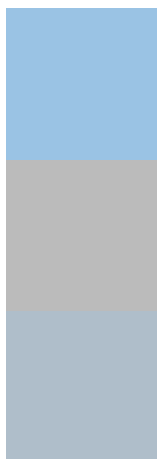
Deuteranomaly

50.2449, 51.2824, 81.3790

Tritanomaly

45.3437, 51.2172, 73.8257

Monochromacy



Original Color

46.8451, 51.5017, 80.8706

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 46.8451, 51.5017, 80.8706 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, 195, 228)` looks like.

```
.text, #text, p{  
    color:rgb(154, 195, 228)  
}
```

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, 195, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 195, 228) }
```

Border

The CSS property to change the border of an element to XYZ 46.8451, 51.5017, 80.8706 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, 195, 228) }
```


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

```
.border{ border-color:rgb(154, 195, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 195, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 195, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 195, 228); box-shadow:4px 4px 4px 4px rgb(154, 195, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8451, 51.5017, 80.8706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 195, 228) }
```

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

```
.background{ background-color: rgb(154,  
195, 228) }
```

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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