

Converting Colors

XYZ(46.4502, 51.5337, 80.7609)

Have a look what the booklet for
XYZ(46.4502, 51.5337, 80.7609)
contains.

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Color

**XYZ(46.5060, 51.6606,
80.9192)**

Conversions

Conversions Part 1

Format	Color
Hex	97C4E4
RGB	151, 196, 228
RGB Percent	59%, 77%, 89%
CMY	0.4078, 0.2314, 0.1059
CMYK	0.34, 0.14, 0.00, 0.11
HSL	205°, 59%, 74%
HSV	205°, 34%, 89%
XYZ	46.5060, 51.6606, 80.9192
YIQ	186.1930, -37.0920, 0.4120

Conversions

Conversions Part 2

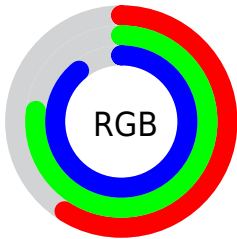
Format	Color
R _Y B	151, 179, 228
Decimal	9946340
CIE Lab	77.08, -7.20, -20.68
CIE LCh	77, 21.898, 250.809
Yxy	51.6606, 0.2597, 0.2885
Android (android.graphics.Color)	4288136420 (0xFF97C4E4)
YUV	186.1930, 20.6109, -30.8643
Hunter-Lab	71.8753, -10.2856, -16.4376

Details

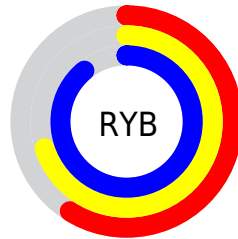
The XYZ color **46.5060, 51.6606, 80.9192** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.5152, 52.5960, 36.5583**, and the grayscale version is **46.6846, 49.1158, 53.4871**.

A 20% lighter version of the original color is **78.9074, 90.7360, 107.9627**, and **22.1456, 24.9045, 43.1750** is the 20% darker color. If you saturate the color by 10%, you get **40.6069, 45.5475, 80.0511**, and if you desaturate by 10%, it is **53.3615, 58.4696, 81.8730**.

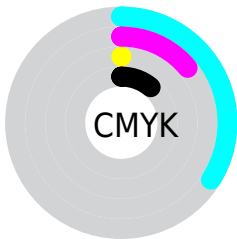
Distribution



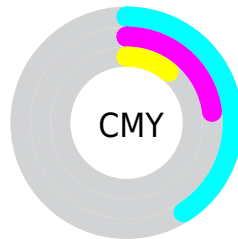
- Red (59%)
- Green (77%)
- Blue (89%)



- Red (59%)
- Yellow (70%)
- Blue (89%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (41%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5060, 51.6606, 80.9192 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 46.5060, 51.6606, 80.9192 by changing the saturation by 10% instead.

■ 46.5060, 51.6606,
80.9192

■ 46.5060, 51.6606,
80.9192

363.5211,
393.1249, 517.8135

■ 32.8516, 36.7346,
59.9444

■ 84.1990, 92.6305,
136.4804

■ 22.1715, 25.0021,
42.9489

■ 108.9683,
119.4432, 171.9038

■ 14.1003, 16.0786,
29.5139

138.1733,
150.9870, 212.9806

■ 8.2726, 9.5798,
19.2210

172.1794,
187.6461, 260.1293

■ 4.3231, 5.1212,
11.6516

211.3518,
229.8051, 313.7684

■ 1.8865, 2.3186,
6.3873

256.0560,

■ 0.5690, 0.7835,

277.8483, 374.3164

3.0094

306.6574,
332.1601, 442.1919

■ 0.0000, 0.0000,
1.0994

■ 0.0000, 0.0000,
0.0000

■ 46.5060, 51.6606,
80.9192

■ 46.5060, 51.6606,
80.9192

■ 40.6069, 45.5475,
80.0511

■ 53.3615, 58.4696,
81.8730

■ 35.6097, 40.0948,
79.2620

■ 61.2146, 65.9956,
82.9118

■ 31.4611, 35.2725,
78.5498

■ 70.1097, 74.2661,
84.0394

■ 28.1000, 31.0452,
77.9110

■ 80.0870, 83.3054,
85.2582

■ 25.4557, 27.3726,
77.3415

■ 87.4077, 91.1893,
86.3942

■ 23.4430, 24.2064,
76.8365

■ 90.3227, 97.0194,
87.3658

■ 22.4259, 22.4457,
76.5502

■ 91.0038, 98.3815,
87.5928

Harmonies

Analogous

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



43.2642, 51.6606, 72.6800



46.5060, 51.6606, 80.9192



50.6251, 51.6606, 82.0344

Triad

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



46.5060, 51.6606, 80.9192



57.4303, 51.6606, 52.0410



44.0325, 51.6606, 40.5591

Complementary

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



46.5060, 51.6606, 80.9192



54.5152, 52.5960, 36.5583

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.



47.6095, 51.6606, 36.5278



46.5060, 51.6606, 80.9192



55.4423, 51.6606, 42.5032

Square

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



46.5060, 51.6606, 80.9192



57.0933, 51.6606, 64.1635



51.7925, 51.6606, 37.1850



41.8932, 51.6606, 49.0147

Rectangle

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



46.5060, 51.6606, 80.9192



53.3360, 51.6606, 78.4349



51.7925, 51.6606, 37.1850



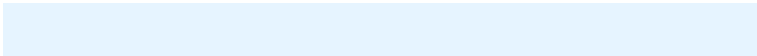
45.0980, 51.6606, 38.6999

Sweetspot

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



46.5076, 51.6626, 80.9204



82.9950, 88.9046, 107.3937



48.9300, 65.4364, 54.2006



17.4256, 18.7125, 22.9434



0.0000, 0.0000, 0.0000



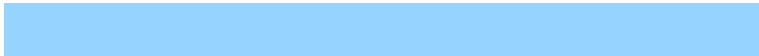
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5076, 51.6626, 80.9204



54.1425, 60.6105, 103.4531



39.1140, 36.8754, 78.4559



14.2792, 15.2798, 18.3410



13.0690, 13.2000, 44.2422



1.0569, 1.1578, 3.2997

Inverse Universe

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



53.0267, 42.6141, 57.6573



64.0456, 47.9475, 67.8712



63.2539, 70.0735, 39.4712



14.7285, 14.5086, 16.7707



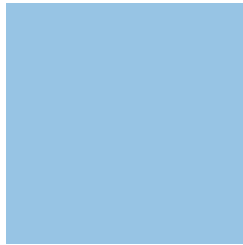
20.9901, 10.5303, 14.1088



1.5971, 0.7966, 1.2849

Previews

White Background



This preview shows how the XYZ color 46.5060, 51.6606, 80.9192 looks on a white background.

Color Contrast Check

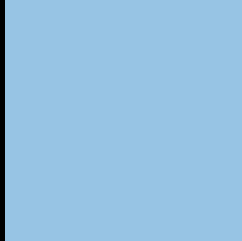
Large Text (above 18pt) WCAG AA × Fail

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 46.5060, 51.6606, 80.9192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

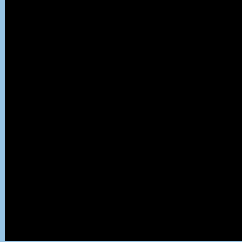
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5060, 51.6606, 80.9192

Background



This preview shows how black text looks on a background with the XYZ color 46.5060, 51.6606, 80.9192.



This preview shows how white text looks on a background with the XYZ color 46.5060, 51.6606,

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

46.5060, 51.6606, 80.9192

Protanopia

50.8309, 51.3614, 77.0467

Deuteranopia

52.5809, 51.5223, 82.0364



Tritanopia

44.5444, 51.5391, 71.2186

Trichromacy



Original Color

46.5060, 51.6606, 80.9192

Protanomaly

49.0160, 51.3558, 78.5634

Deuteranomaly

50.2355, 51.5980, 81.4405

Tritanomaly

45.1469, 51.4365, 74.5666

Monochromacy



Original Color

46.5060, 51.6606, 80.9192

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.1897, 49.9282, 62.4610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5060, 51.6606, 80.9192 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(151, 196, 228)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 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(151, 196, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 228) }
```

Border

The CSS property to change the border of an element to XYZ 46.5060, 51.6606, 80.9192 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(151, 196, 228) }
```


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

```
.border{ border-color:rgb(151, 196, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 196, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 196, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 196, 228);  
box-shadow:4px 4px 4px 4px rgb(151, 196,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5060, 51.6606, 80.9192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 196, 228) }
```

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

```
.background{ background-color: rgb(151,  
196, 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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