

Converting Colors

XYZ(46.2354, 50.4871,
101.9159)

Have a look what the booklet for
XYZ(46.2354, 50.4871, 101.9159)
contains.

XYZ(46.2439, 50.3928, 101.8972)	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(46.2439, 50.3928,
101.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	80C2FF
RGB	128, 194, 255
RGB Percent	50%, 76%, 100%
CMY	0.4980, 0.2392, 0.0000
CMYK	0.50, 0.24, 0.00, 0.00
HSL	209°, 100%, 75%
HSV	209°, 50%, 100%
XYZ	46.2439, 50.3928, 101.8972
YIQ	181.2200, -58.9170, 4.9790

Conversions

Conversions Part 2

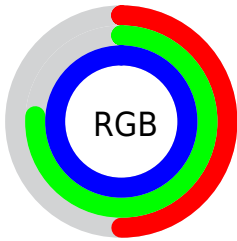
Format	Color
RYB	128, 171, 255
Decimal	8438527
CIELab	76.31, -4.63, -36.47
CIELCh	76, 36.766, 262.764
Yxy	50.3928, 0.2329, 0.2538
Android (android.graphics.Color)	4286628607 (0xFF80C2FF)
YUV	181.2200, 36.3735, -46.6739
Hunter-Lab	70.9879, -7.9479, -35.4143

Details

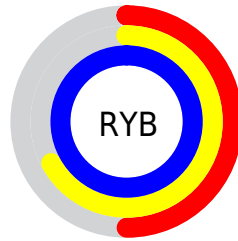
The XYZ color **46.2439, 50.3928, 101.8972** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.3349, 59.2151, 28.5157**, and the grayscale version is **43.8737, 46.1586, 50.2667**.

A 20% lighter version of the original color is **72.4853, 86.0303, 107.3929**, and **22.1018, 24.3559, 56.9624** is the 20% darker color. If you saturate the color by 10%, you get **40.2648, 43.4301, 100.8684**, and if you desaturate by 10%, it is **53.4144, 58.3052, 103.0465**.

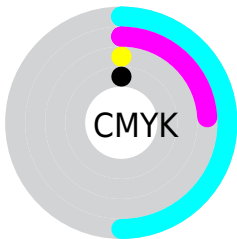
Distribution



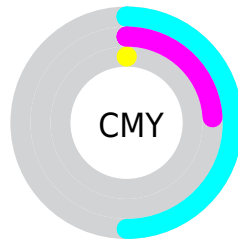
- Red (50%)
- Green (76%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2439, 50.3928, 101.8972 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 46.2439, 50.3928, 101.8972 by changing the saturation by 10% instead.

■ 46.2439, 50.3928,
101.8972

■ 46.2439, 50.3928,
101.8972

362.4879,
388.2000, 587.5568

■ 32.6438, 35.7256,
77.2602

■ 83.8095, 90.7566,
165.8365

■ 22.0116, 24.2223,
56.9536

■ 108.5057,
117.2220, 205.9759

■ 13.9821, 15.4986,
40.5589

■ 137.6313,
148.3889, 252.1198

■ 8.1898, 9.1701,
27.6575

171.5517,
184.6417, 304.6869

■ 4.2695, 4.8523,
17.8308

210.6322,
226.3648, 364.0956

■ 1.8557, 2.1609,
10.6604

255.2381,

■ 0.5509, 0.6985,

273.9427, 430.7644

5.7277

305.7349,
327.7596, 505.1120

■ 0.0000, 0.0000,
2.6141

■ 0.0000, 0.0000,
0.8997

■ 46.2439, 50.3928,
101.8972

■ 46.2439, 50.3928,
101.8972

■ 40.2648, 43.4301,
100.8684

■ 53.4144, 58.3052,
103.0465

■ 35.3935, 37.3630,
99.9541

■ 61.8428, 67.2064,
104.3204

■ 31.5417, 32.1387,
99.1487

■ 71.5959, 77.1393,
105.7236

■ 28.6032, 27.6939,
98.4456

■ 82.7341, 88.1422,
107.2603

■ 26.4115, 23.9335, 95.0500, 100.0000,
97.8353 108.9000

■ 26.3720, 23.8639,
97.8240

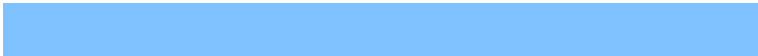
Harmonies

Analogous

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



40.3035, 50.3928, 91.0526



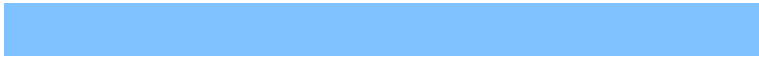
46.2439, 50.3928, 101.8972



53.2203, 50.3928, 97.9321

Triad

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



46.2439, 50.3928, 101.8972



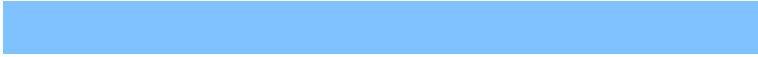
61.2129, 50.3928, 41.4316



38.0846, 50.3928, 34.9264

Complementary

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



46.2439, 50.3928, 101.8972



63.3349, 59.2151, 28.5157

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.



42.9408, 50.3928, 26.7443



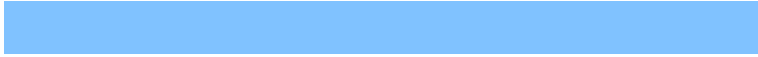
46.2439, 50.3928, 101.8972



56.3886, 50.3928, 29.8216

Square

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



46.2439, 50.3928, 101.8972



62.3129, 50.3928, 59.7993



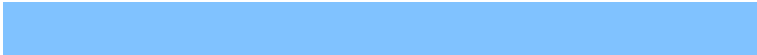
49.5887, 50.3928, 25.1309



35.8957, 50.3928, 50.2178

Rectangle

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



46.2439, 50.3928, 101.8972



57.4894, 50.3928, 87.7880



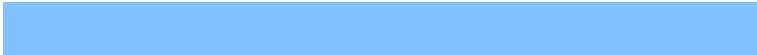
49.5887, 50.3928, 25.1309



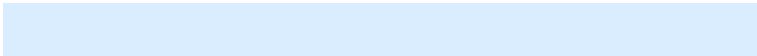
39.4355, 50.3928, 31.4194

Sweetspot

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



46.2454, 50.3946, 101.8975



76.7676, 82.2866, 106.4446



53.6615, 79.7091, 59.7224



15.9369, 17.1224, 22.7149



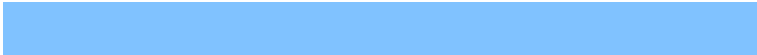
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.2454, 50.3946, 101.8975



40.1577, 43.3011, 100.8492



35.2367, 28.3771, 98.2279



17.7840, 18.9396, 22.9683



13.9304, 12.7704, 51.1653



1.4658, 1.4623, 5.0183

Inverse Universe

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



58.6979, 40.5951, 55.7826



54.3845, 34.1200, 47.7115



79.5611, 91.6675, 33.9244



18.4036, 18.1448, 20.7426



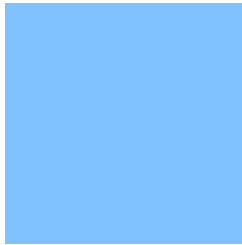
23.8196, 12.0171, 12.9665



2.3745, 1.1922, 1.5534

Previews

White Background



This preview shows how the XYZ color 46.2439, 50.3928, 101.8972 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 46.2439, 50.3928, 101.8972 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

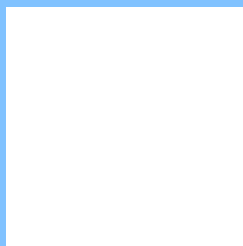
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2439, 50.3928, 101.8972

Background



This preview shows how black text looks on a background with the XYZ color 46.2439, 50.3928, 101.8972.



This preview shows how white text looks on a background with the XYZ color 46.2439, 50.3928,

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

46.2439, 50.3928, 101.8972

Protanopia

50.8698, 50.0213, 95.7809

Deuteranopia

51.3353, 50.1334, 101.5788



Tritanopia

40.6135, 50.4960, 73.2518

Trichromacy



Original Color

46.2439, 50.3928, 101.8972

Protanomaly

48.9134, 49.9000, 98.3204

Deuteranomaly

49.1701, 49.9587, 101.6592

Tritanomaly

42.3636, 50.1508, 83.0486

Monochromacy



Original Color

46.2439, 50.3928, 101.8972

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.8444, 47.3533, 66.5038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2439, 50.3928, 101.8972 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(128, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 194, 255)  
}
```

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(128, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.2439, 50.3928, 101.8972 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(128, 194, 255) }
```


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

```
.border{ border-color:rgb(128, 194, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 194, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2439, 50.3928, 101.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 194, 255) }
```

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

```
.background{ background-color: rgb(128,  
194, 255) }
```

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