

Converting Colors

XYZ(47.2422, 50.9902,
107.2096)

Have a look what the booklet for
XYZ(47.2422, 50.9902, 107.2096)
contains.

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Color

**XYZ(46.3175, 50.7622,
101.9646)**

Conversions

Conversions Part 1

Format	Color
Hex	7FC3FF
RGB	127, 195, 255
RGB Percent	50%, 76%, 100%
CMY	0.5019, 0.2353, 0.0000
CMYK	0.50, 0.24, 0.00, 0.00
HSL	208°, 100%, 75%
HSV	208°, 50%, 100%
XYZ	46.3175, 50.7622, 101.9646
YIQ	181.5080, -59.7880, 4.2440

Conversions

Conversions Part 2

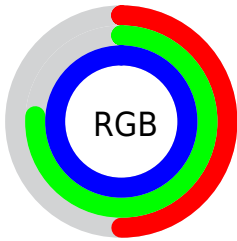
Format	Color
R _Y B	127, 171, 255
Decimal	8373247
CIE Lab	76.53, -5.39, -36.13
CIE LCh	77, 36.529, 261.511
Yxy	50.7622, 0.2327, 0.2550
Android (android.graphics.Color)	4286563327 (0xFF7FC3FF)
YUV	181.5080, 36.2316, -47.8035
Hunter-Lab	71.2476, -8.6419, -34.9784

Details

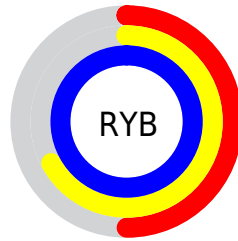
The XYZ color **46.3175, 50.7622, 101.9646** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8422, 58.3345, 28.0283**, and the grayscale version is **44.0305, 46.3235, 50.4463**.

A 20% lighter version of the original color is **72.7969, 86.6535, 107.4967**, and **22.1128, 24.5815, 57.0053** is the 20% darker color. If you saturate the color by 10%, you get **40.4174, 43.9035, 100.9517**, and if you desaturate by 10%, it is **53.3960, 58.5487, 103.0945**.

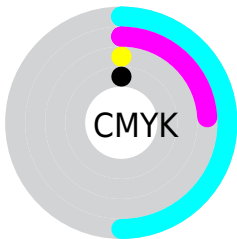
Distribution



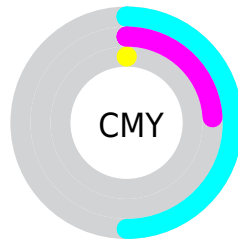
- Red (50%)
- Green (76%)
- Blue (100%)



- 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 46.3175, 50.7622, 101.9646 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 46.3175, 50.7622, 101.9646 by changing the saturation by 10% instead.

■ 46.3175, 50.7622,
101.9646

■ 46.3175, 50.7622,
101.9646

362.7782,
389.6392, 587.7736

■ 32.7021, 36.0194,
77.3163

■ 83.9189, 91.3032,
165.9297

■ 22.0565, 24.4492,
56.9994

■ 108.6357,
117.8701, 206.0836

■ 14.0152, 15.6672,
40.5954

■ 137.7836,
149.1472, 252.2431

■ 8.2130, 9.2889,
27.6857

171.7281,
185.5189, 304.8268

■ 4.2845, 4.9301,
17.8519

210.8344,
227.3696, 364.2531

■ 1.8643, 2.2063,
10.6754

255.4679,

■ 0.5560, 0.7234,

275.0836, 430.9406

5.7376

305.9941,
329.0453, 505.3079

■ 0.0000, 0.0000,
2.6200

■ 0.0000, 0.0000,
0.9027

■ 46.3175, 50.7622,
101.9646

■ 46.3175, 50.7622,
101.9646

■ 40.4174, 43.9035,
100.9517

■ 53.3960, 58.5487,
103.0945

■ 35.6121, 37.9191,
100.0499

■ 61.7193, 67.3013,
104.3452

■ 31.8133, 32.7567,
99.2537

■ 71.3540, 77.0624,
105.7215

■ 28.9144, 28.3534,
98.5566

■ 82.3604, 87.8697,
107.2274

■ 26.7795, 24.6790,
97.9598

94.7947, 99.7588,
108.8669

95.0500, 100.0000,
108.9000

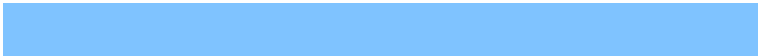
Harmonies

Analogous

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



40.4592, 50.7622, 90.6309



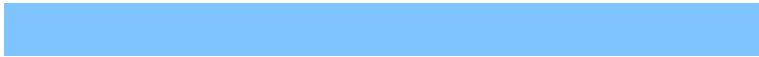
46.3175, 50.7622, 101.9646



53.2738, 50.7622, 98.6491

Triad

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



46.3175, 50.7622, 101.9646



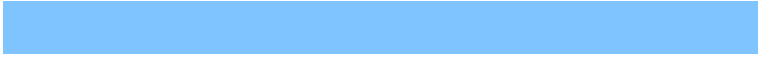
61.6613, 50.7622, 42.4865



38.5980, 50.7622, 34.8507

Complementary

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



46.3175, 50.7622, 101.9646



62.8422, 58.3345, 28.0283

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.



43.5485, 50.7622, 26.9407



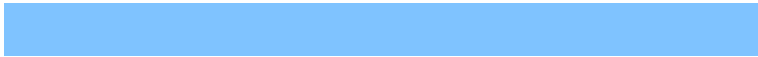
46.3175, 50.7622, 101.9646



56.9772, 50.7622, 30.5628

Square

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



46.3175, 50.7622, 101.9646



62.5822, 50.7622, 61.0670



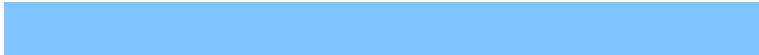
50.2313, 50.7622, 25.5839



36.2888, 50.7622, 49.8546

Rectangle

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



46.3175, 50.7622, 101.9646



57.5777, 50.7622, 88.8527



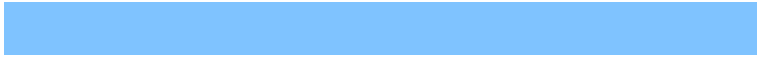
50.2313, 50.7622, 25.5839



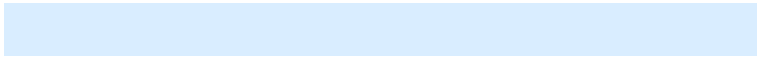
39.9847, 50.7622, 31.4382

Sweetspot

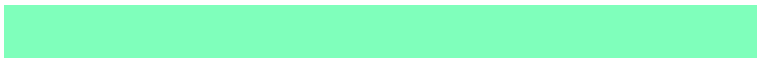
The Sweet Spot groups the original color and five complimentary colors.



46.3191, 50.7640, 101.9649



76.8956, 82.5425, 106.4872



53.4548, 79.6091, 59.4147



15.9677, 17.1840, 22.7252



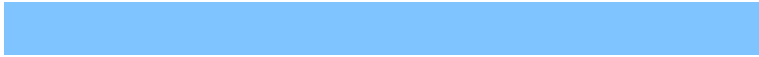
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.3191, 50.7640, 101.9649



40.5210, 44.0279, 100.9703



34.9563, 28.0384, 98.1773



17.8020, 18.9756, 22.9743



14.1438, 13.1972, 51.2364



1.4866, 1.5038, 5.0252

Inverse Universe

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



58.6808, 40.3806, 56.3329



54.5679, 34.1934, 48.6773



79.4852, 91.6205, 33.5760



18.4127, 18.1484, 20.7905



23.9273, 12.0602, 13.5338



2.3850, 1.1964, 1.6086

Previews

White Background



This preview shows how the XYZ color 46.3175, 50.7622, 101.9646 looks on a white background.

Color Contrast Check

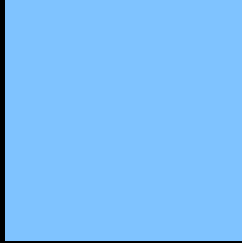
Large Text (above 18pt) WCAG AA × Fail

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 46.3175, 50.7622, 101.9646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

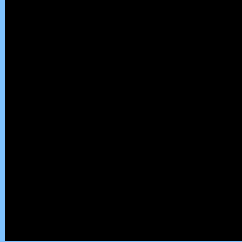
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

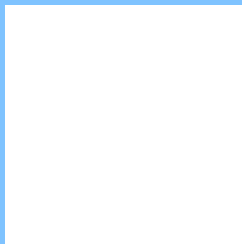
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3175, 50.7622, 101.9646

Background



This preview shows how black text looks on a background with the XYZ color 46.3175, 50.7622, 101.9646.



This preview shows how white text looks on a background with the XYZ color 46.3175, 50.7622,

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

46.3175, 50.7622, 101.9646

Protanopia

51.2968, 50.5530, 95.8610

Deuteranopia

51.7574, 50.6626, 101.6587



Tritanopia

40.8456, 50.9479, 74.0108

Trichromacy



Original Color

46.3175, 50.7622, 101.9646

Protanomaly

49.1278, 50.3288, 98.3919

Deuteranomaly

49.3845, 50.3875, 101.7307

Tritanomaly

42.4550, 50.5383, 83.1186

Monochromacy



Original Color

46.3175, 50.7622, 101.9646

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.1792, 47.8255, 67.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3175, 50.7622, 101.9646 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(127, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 195, 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(127, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3175, 50.7622, 101.9646 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(127, 195, 255) }
```


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

```
.border{ border-color:rgb(127, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3175, 50.7622, 101.9646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 195, 255) }
```

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

```
.background{ background-color: rgb(127,  
195, 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](#).

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