

Converting Colors

XYZ(46.6074, 47.3236, 95.1791)

Have a look what the booklet for
XYZ(46.6074, 47.3236, 95.1791)
contains.

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Color

**XYZ(46.6393, 47.2236,
95.4638)**

Conversions

Conversions Part 1

Format	Color
Hex	97B7F8
RGB	151, 183, 248
RGB Percent	59%, 72%, 97%
CMY	0.4078, 0.2823, 0.0274
CMYK	0.39, 0.26, 0.00, 0.03
HSL	220°, 87%, 78%
HSV	220°, 39%, 97%
XYZ	46.6393, 47.2236, 95.4638
YIQ	180.8420, -39.9370, 13.4310

Conversions

Conversions Part 2

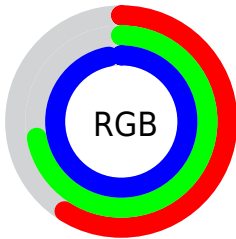
Format	Color
RYB	151, 175, 248
Decimal	9943032
CIELab	74.33, 5.01, -35.68
CIElCh	74, 36.025, 277.993
Yxy	47.2236, 0.2463, 0.2494
Android (android.graphics.Color)	4288133112 (0xFF97B7F8)
YUV	180.8420, 33.1089, -26.1714
Hunter-Lab	68.7194, 0.8874, -34.2610

Details

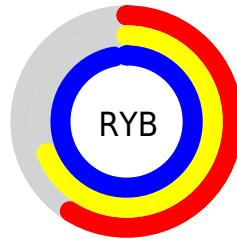
The XYZ color **46.6393, 47.2236, 95.4638** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.8545, 71.3041, 39.4142**, and the grayscale version is **43.6794, 45.9541, 50.0440**.

A 20% lighter version of the original color is **74.9289, 82.3629, 106.5562**, and **22.2105, 22.2136, 52.4073** is the 20% darker color. If you saturate the color by 10%, you get **39.2840, 38.6410, 94.1957**, and if you desaturate by 10%, it is **55.3706, 57.1183, 96.9143**.

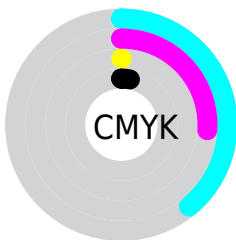
Distribution



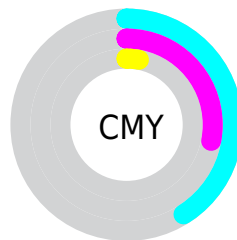
- Red (59%)
- Green (72%)
- Blue (97%)



- Red (59%)
- Yellow (69%)
- Blue (97%)



- Cyan (39%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)



- Cyan (41%)
- Magenta (28%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6393, 47.2236, 95.4638 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 46.6393, 47.2236, 95.4638 by changing the saturation by 10% instead.

■ 46.6393, 47.2236,
95.4638

■ 46.6393, 47.2236,
95.4638

364.0459,
375.7063, 566.6709

■ 32.9573, 33.2125,
71.9220

■ 84.3970, 86.0473,
156.9063

■ 22.2529, 22.2892,
52.6085

■ 109.2034,
111.6286, 195.6441

■ 14.1605, 14.0696,
37.1048

138.4487,
141.8355, 240.2843

■ 8.3148, 8.1691,
24.9922

172.4983,
177.0522, 291.2456

■ 4.3505, 4.2033,
15.8523

211.7174,
217.6633, 348.9463

■ 1.9023, 1.7879,
9.2665

256.4715,

■ 0.5782, 0.4796,

264.0531, 413.8051

4.8162

307.1259,
316.6060, 486.2404

■ 0.0000, 0.0000,
2.0830

■ 0.0000, 0.0000,
0.6056

■ 46.6393, 47.2236,
95.4638

■ 46.6393, 47.2236,
95.4638

■ 39.2840, 38.6410,
94.1957

■ 55.3706, 57.1183,
96.9143

■ 33.2247, 31.3055,
93.0992

■ 65.5422, 68.3752,
98.5510

■ 28.3798, 25.1541,
92.1672

■ 77.2202, 81.0482,
100.3817

■ 24.6560, 20.1152,
91.3909

■ 90.4649, 95.1864,
102.4126

■ 21.9440, 16.1075,
90.7602

■ 93.9434, 99.5574,
103.0729

■ 20.0866, 13.0227,
90.2627

■ 19.9467, 12.7840,
90.2240

Harmonies

Analogous

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



40.3761, 47.2236, 92.1004



46.6393, 47.2236, 95.4638



52.9987, 47.2236, 84.9752

Triad

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



46.6393, 47.2236, 95.4638



55.4364, 47.2236, 32.4339



34.2963, 47.2236, 39.1735

Complementary

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



46.6393, 47.2236, 95.4638



68.8545, 71.3041, 39.4142

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.



37.6441, 47.2236, 28.1135



46.6393, 47.2236, 95.4638



49.7169, 47.2236, 24.9250

Square

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



46.6393, 47.2236, 95.4638



58.3871, 47.2236, 46.6151



43.1745, 47.2236, 23.5603



33.6430, 47.2236, 56.5409

Rectangle

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



46.6393, 47.2236, 95.4638



56.2998, 47.2236, 72.7434



43.1745, 47.2236, 23.5603



35.1272, 47.2236, 34.7306

Sweetspot

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



46.6409, 47.2254, 95.4649



78.4785, 82.2590, 106.3491



58.6829, 78.6559, 76.8307



16.4427, 17.2226, 22.7076



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.



46.6409, 47.2254, 95.4649



43.3351, 42.9219, 100.6085



43.9832, 37.1461, 93.6595



16.7507, 17.5783, 21.8954



10.8891, 7.1337, 48.7766



1.1012, 0.8461, 4.5485

Inverse Universe

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



58.3267, 45.5104, 50.5117



57.6321, 41.7127, 45.4107



72.3791, 86.4981, 42.1611



17.4807, 17.3196, 19.1212



21.7883, 11.1311, 5.5938



2.0648, 1.0496, 0.7645

Previews

White Background



This preview shows how the XYZ color 46.6393, 47.2236, 95.4638 looks on a white background.

Color Contrast Check

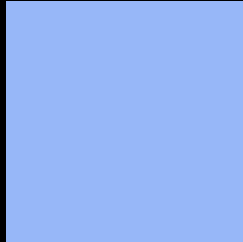
Large Text (above 18pt) WCAG AA × Fail

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 46.6393, 47.2236, 95.4638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

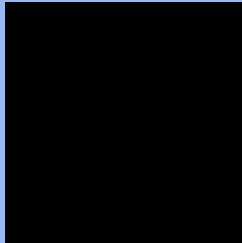
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

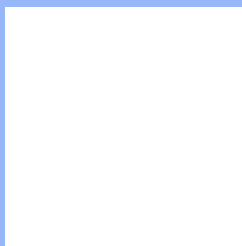
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6393, 47.2236, 95.4638

Background



This preview shows how black text looks on a background with the XYZ color 46.6393, 47.2236, 95.4638.



This preview shows how white text looks on a background with the XYZ color 46.6393, 47.2236,

95.4638.

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

46.6393, 47.2236, 95.4638

Protanopia

48.2657, 47.1889, 93.7533

Deuteranopia

48.3204, 47.1635, 96.1792



Tritanopia

40.5866, 47.2933, 65.3819

Trichromacy



Original Color

46.6393, 47.2236, 95.4638

Protanomaly

47.6104, 47.1341, 94.5841

Deuteranomaly

47.7233, 47.1564, 96.2093

Tritanomaly

42.5360, 47.1162, 75.2591

Monochromacy



Original Color

46.6393, 47.2236, 95.4638

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.3250, 46.4097, 64.3794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6393, 47.2236, 95.4638 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, 183, 248)` looks like.

```
.text, #text, p{  
    color:rgb(151, 183, 248)  
}
```

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, 183, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 183, 248) }
```

Border

The CSS property to change the border of an element to XYZ 46.6393, 47.2236, 95.4638 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, 183, 248) }
```


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

```
.border{ border-color:rgb(151, 183, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 183, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 183, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 183, 248);  
box-shadow:4px 4px 4px 4px rgb(151, 183,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6393, 47.2236, 95.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 183, 248) }
```

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

```
.background{ background-color: rgb(151,  
183, 248) }
```

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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