

Converting Colors

XYZ(46.8159, 47.4052, 98.1615)

Have a look what the booklet for
XYZ(46.8159, 47.4052, 98.1615)
contains.

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Color

**XYZ(46.7405, 47.2216,
97.9180)**

Conversions

Conversions Part 1

Format	Color
Hex	95B7FB
RGB	149, 183, 251
RGB Percent	58%, 72%, 98%
CMY	0.4157, 0.2823, 0.0157
CMYK	0.41, 0.27, 0.00, 0.02
HSL	220°, 93%, 78%
HSV	220°, 41%, 98%
XYZ	46.7405, 47.2216, 97.9180
YIQ	180.5860, -42.0920, 13.9400

Conversions

Conversions Part 2

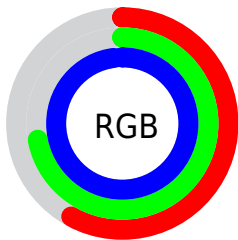
Format	Color
RYB	149, 175, 251
Decimal	9811963
CIELab	74.33, 5.30, -37.30
CIElCh	74, 37.678, 278.086
Yxy	47.2216, 0.2436, 0.2461
Android (android.graphics.Color)	4288002043 (0xFF95B7FB)
YUV	180.5860, 34.7141, -27.7009
Hunter-Lab	68.7180, 1.1554, -36.3813

Details

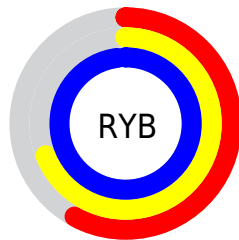
The XYZ color **46.7405, 47.2216, 97.9180** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.0226, 72.3063, 38.7015**, and the grayscale version is **43.5341, 45.8012, 49.8775**.

A 20% lighter version of the original color is **74.3701, 82.0748, 106.5300**, and **22.2344, 22.1875, 54.1497** is the 20% darker color. If you saturate the color by 10%, you get **39.3964, 38.6137, 96.6445**, and if you desaturate by 10%, it is **55.4849, 57.1624, 99.3768**.

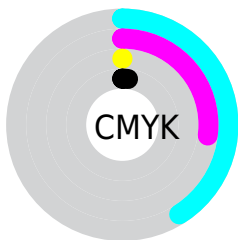
Distribution



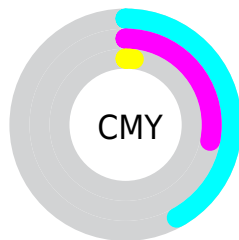
- Red (58%)
- Green (72%)
- Blue (98%)



- Red (58%)
- Yellow (69%)
- Blue (98%)



- Cyan (41%)
- Magenta (27%)
- Yellow (0%)
- Black (2%)



- Cyan (42%)
- Magenta (28%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7405, 47.2216, 97.9180 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 46.7405, 47.2216, 97.9180 by changing the saturation by 10% instead.

■ 46.7405, 47.2216,
97.9180

■ 46.7405, 47.2216,
97.9180

364.4440,
375.6984, 574.6863

■ 33.0376, 33.2109,
73.9558

■ 84.5472, 86.0443,
160.3199

■ 22.3147, 22.2880,
54.2613

■ 109.3818,
111.6251, 199.5967

■ 14.2062, 14.0687,
38.4160

138.6577,
141.8313, 244.8153

■ 8.3469, 8.1685,
26.0014

172.7403,
177.0474, 296.3945

■ 4.3714, 4.2029,
16.5989

211.9948,
217.6578, 354.7526

■ 1.9143, 1.7877,
9.7900

256.7867,

■ 0.5851, 0.4795,

264.0468, 420.3082

5.1562

307.4813,
316.5989, 493.4800

■ 0.0000, 0.0000,
2.2788

■ 0.0000, 0.0000,
0.7193

■ 46.7405, 47.2216,
97.9180

■ 46.7405, 47.2216,
97.9180

■ 39.3964, 38.6137,
96.6445

■ 55.4849, 57.1624,
99.3768

■ 33.3695, 31.2717,
95.5450

■ 65.6967, 68.4882,
101.0246

■ 28.5746, 25.1304,
94.6123

■ 77.4443, 81.2542,
102.8696

■ 24.9138, 20.1151,
93.8372

■ 90.7901, 95.5113,
104.9180

■ 22.2715, 16.1408,
93.2093

■ 94.4128, 99.7451,
105.5443

■ 20.5573, 13.2542,
92.7425

Harmonies

Analogous

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



40.1932, 47.2216, 94.3885



46.7405, 47.2216, 97.9180



53.4094, 47.2216, 86.7358

Triad

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



46.7405, 47.2216, 97.9180



55.9394, 47.2216, 31.6620



33.8471, 47.2216, 38.7086

Complementary

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



46.7405, 47.2216, 97.9180



70.0226, 72.3063, 38.7015

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.



37.3155, 47.2216, 27.2825



46.7405, 47.2216, 97.9180



49.9235, 47.2216, 23.9849

Square

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



46.7405, 47.2216, 97.9180



59.0586, 47.2216, 46.3441



43.0748, 47.2216, 22.6132



33.1788, 47.2216, 56.8457

Rectangle

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



46.7405, 47.2216, 97.9180



56.8765, 47.2216, 73.7744



43.0748, 47.2216, 22.6132



34.7060, 47.2216, 34.1042

Sweetspot

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



46.7421, 47.2234, 97.9191



78.5085, 82.3191, 106.3591



59.4174, 80.3949, 78.0333



16.4498, 17.2367, 22.7100



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.



46.7421, 47.2234, 97.9191



41.9591, 41.3607, 100.3797



43.8876, 36.5688, 96.0130



16.7557, 17.5883, 21.8970



10.9247, 7.2050, 48.7885



1.1050, 0.8536, 4.5497

Inverse Universe

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



59.0798, 45.4247, 50.4555



56.6469, 40.2056, 43.6536



73.8549, 88.6578, 41.6557



17.4832, 17.3207, 19.1345



21.8063, 11.1383, 5.6885



2.0667, 1.0504, 0.7745

Previews

White Background



This preview shows how the XYZ color 46.7405, 47.2216, 97.9180 looks on a white background.

Color Contrast Check

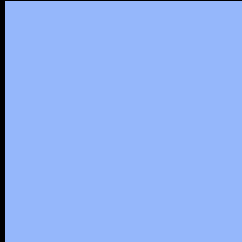
Large Text (above 18pt) WCAG AA × Fail

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 46.7405, 47.2216, 97.9180 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

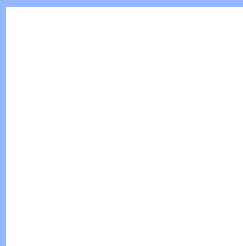
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7405, 47.2216, 97.9180

Background



This preview shows how black text looks on a background with the XYZ color 46.7405, 47.2216, 97.9180.



This preview shows how white text looks on a background with the XYZ color 46.7405, 47.2216,

97.9180.

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

46.7405, 47.2216, 97.9180

Protanopia

48.3204, 47.1635, 96.1792

Deuteranopia

48.3892, 47.1444, 98.6449



Tritanopia

40.3745, 47.1699, 66.0082

Trichromacy



Original Color

46.7405, 47.2216, 97.9180

Protanomaly

47.6838, 47.1180, 97.0240

Deuteranomaly

47.8049, 47.1439, 98.6756

Tritanomaly

42.4578, 47.0449, 76.6549

Monochromacy



Original Color

46.7405, 47.2216, 97.9180

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.2307, 46.3471, 65.0072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7405, 47.2216, 97.9180 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(149, 183, 251)` looks like.

```
.text, #text, p{  
    color:rgb(149, 183, 251)  
}
```

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(149, 183, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 183, 251) }
```

Border

The CSS property to change the border of an element to XYZ 46.7405, 47.2216, 97.9180 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(149, 183, 251) }
```


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

```
.border{ border-color:rgb(149, 183, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 183, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 183, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 183, 251);  
box-shadow:4px 4px 4px 4px rgb(149, 183,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7405, 47.2216, 97.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 183, 251) }
```

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

```
.background{ background-color: rgb(149,  
183, 251) }
```

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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