

Converting Colors

XYZ(46.3399, 46.6243, 99.7790)

Have a look what the booklet for
XYZ(46.3399, 46.6243, 99.7790)
contains.

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Color

**XYZ(46.3116, 46.6587,
99.4937)**

Conversions

Conversions Part 1

Format	Color
Hex	92B6FD
RGB	146, 182, 253
RGB Percent	57%, 71%, 99%
CMY	0.4274, 0.2863, 0.0078
CMYK	0.42, 0.28, 0.00, 0.01
HSL	220°, 96%, 78%
HSV	220°, 42%, 99%
XYZ	46.3116, 46.6587, 99.4937
YIQ	179.3300, -44.2470, 14.4490

Conversions

Conversions Part 2

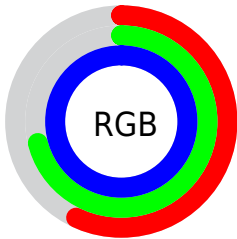
Format	Color
RYB	146, 173, 253
Decimal	9615101
CIELab	73.97, 5.64, -38.96
CIElCh	74, 39.362, 278.241
Yxy	46.6587, 0.2406, 0.2424
Android (android.graphics.Color)	4287805181 (0xFF92B6FD)
YUV	179.3300, 36.3193, -29.2304
Hunter-Lab	68.3072, 1.4837, -38.5446

Details

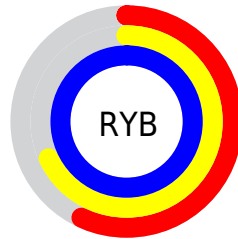
The XYZ color **46.3116, 46.6587, 99.4937** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.5106, 72.5854, 37.4901**, and the grayscale version is **42.8542, 45.0860, 49.0987**.

A 20% lighter version of the original color is **73.2531, 81.0656, 106.3941**, and **22.0305, 21.8597, 55.2828** is the 20% darker color. If you saturate the color by 10%, you get **39.0675, 38.1234, 98.2289**, and if you desaturate by 10%, it is **54.9662, 56.5348, 100.9447**.

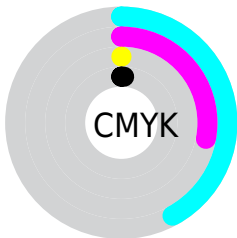
Distribution



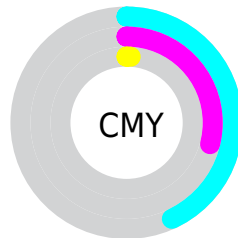
- Red (57%)
- Green (71%)
- Blue (99%)



- Red (57%)
- Yellow (68%)
- Blue (99%)



- Cyan (42%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)



- Cyan (43%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3116, 46.6587, 99.4937 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 46.3116, 46.6587, 99.4937 by changing the saturation by 10% instead.

■ 46.3116, 46.6587,
99.4937

■ 46.3116, 46.6587,
99.4937

362.7549,
373.4505, 579.8010

■ 32.6974, 32.7659,
75.2632

■ 83.9102, 85.2039,
162.5070

■ 22.0529, 21.9472,
55.3255

■ 108.6253,
110.6252, 202.1270

■ 14.0126, 13.8181,
39.2621

137.7714,
140.6581, 247.7139

■ 8.2112, 7.9943,
26.6543

171.7139,
175.6870, 299.6862

■ 4.2833, 4.0913,
17.0836

210.8182,
216.0963, 358.4626

■ 1.8636, 1.7248,
10.1315

255.4495,

■ 0.5556, 0.4396,

262.2704, 424.4615

5.3795

305.9733,
314.5937, 498.1014

■ 0.0000, 0.0000,
2.4090

■ 0.0000, 0.0000,
0.7913

■ 46.3116, 46.6587,
99.4937

■ 46.3116, 46.6587,
99.4937

■ 39.0675, 38.1234,
98.2289

■ 54.9662, 56.5348,
100.9447

■ 33.1482, 30.8605,
97.1390

■ 65.1005, 67.8052,
102.5860

■ 28.4655, 24.8026,
96.2165

■ 76.7849, 80.5266,
104.4256

■ 24.9171, 19.8728,
95.4520

■ 90.0836, 94.7506,
106.4702

■ 22.3819, 15.9826,
94.8347

94.7298, 99.8719,
107.2138

■ 20.9878, 13.6080,
94.4498

Harmonies

Analogous

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



39.5279, 46.6587, 95.8511



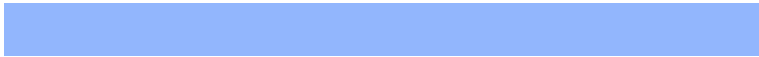
46.3116, 46.6587, 99.4937



53.2422, 46.6587, 87.6337

Triad

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



46.3116, 46.6587, 99.4937



55.8216, 46.6587, 30.4285



32.9512, 46.6587, 37.7733

Complementary

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



46.3116, 46.6587, 99.4937



70.5106, 72.5854, 37.4901

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.



36.5034, 46.6587, 26.0801



46.3116, 46.6587, 99.4937



49.5442, 46.6587, 22.6851

Square

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



46.3116, 46.6587, 99.4937



59.0993, 46.6587, 45.4591



42.4401, 46.6587, 21.3363



32.2810, 46.6587, 56.5509

Rectangle

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



46.3116, 46.6587, 99.4937



56.8489, 46.6587, 73.9987



42.4401, 46.6587, 21.3363



33.8283, 46.6587, 33.0454

Sweetspot

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



46.3132, 46.6604, 99.4948



77.2681, 81.0055, 106.1709



59.3174, 81.2974, 77.2283



15.9521, 16.7038, 22.6333



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.



46.3132, 46.6604, 99.4948



40.6332, 39.8423, 100.1565



42.9207, 35.3381, 97.4882



17.5024, 18.3764, 22.8745



11.2844, 7.4784, 50.2833



1.1948, 0.9203, 4.9279

Inverse Universe

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



59.2318, 44.8196, 49.7867



55.7010, 38.7681, 41.9381



75.2232, 90.3229, 40.6654



18.2615, 18.0879, 19.9941



22.4841, 11.4829, 5.9335



2.2377, 1.1374, 0.8331

Previews

White Background



This preview shows how the XYZ color 46.3116, 46.6587, 99.4937 looks on a white background.

Color Contrast Check

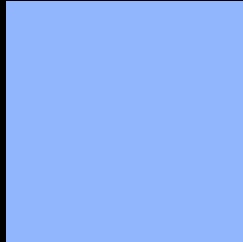
Large Text (above 18pt) WCAG AA × Fail

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 46.3116, 46.6587, 99.4937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

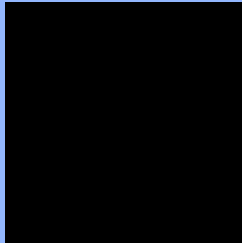
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

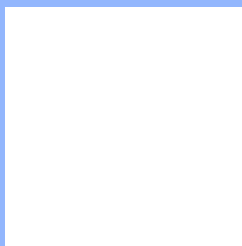
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3116, 46.6587, 99.4937

Background



This preview shows how black text looks on a background with the XYZ color 46.3116, 46.6587, 99.4937.



This preview shows how white text looks on a background with the XYZ color 46.3116, 46.6587,

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

46.3116, 46.6587, 99.4937

Protanopia

48.0299, 46.6788, 97.7453

Deuteranopia

47.7198, 46.4639, 100.2193



Tritanopia

39.4442, 46.7044, 65.3284

Trichromacy



Original Color

46.3116, 46.6587, 99.4937

Protanomaly

47.4095, 46.6394, 98.5990

Deuteranomaly

47.1595, 46.4737, 100.2507

Tritanomaly

41.7837, 46.6974, 76.6233

Monochromacy



Original Color

46.3116, 46.6587, 99.4937

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.3982, 45.3142, 64.8517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3116, 46.6587, 99.4937 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(146, 182, 253)` looks like.

```
.text, #text, p{  
    color:rgb(146, 182, 253)  
}
```

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(146, 182, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 182, 253) }
```

Border

The CSS property to change the border of an element to XYZ 46.3116, 46.6587, 99.4937 is called "border". The border property can be set on classes, ids or directly on the HTML element.

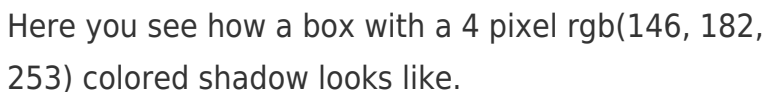
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 182, 253) }
```


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

```
.border{ border-color:rgb(146, 182, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 182, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 182, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 182, 253); box-shadow:4px 4px 4px 4px rgb(146, 182, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3116, 46.6587, 99.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 182, 253) }
```

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

```
.background{ background-color: rgb(146,  
182, 253) }
```

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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