

Converting Colors

XYZ(49.2417, 48.4297,
117.2160)

Have a look what the booklet for
XYZ(49.2417, 48.4297, 117.2160)
contains.

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Color

**XYZ(46.1750, 47.1637,
101.2776)**

Conversions

Conversions Part 1

Format	Color
Hex	8DB8FF
RGB	141, 184, 255
RGB Percent	55%, 72%, 100%
CMY	0.4470, 0.2784, 0.0000
CMYK	0.45, 0.28, 0.00, 0.00
HSL	217°, 100%, 78%
HSV	217°, 45%, 100%
XYZ	46.1750, 47.1637, 101.2776
YIQ	179.2370, -48.4190, 12.9650

Conversions

Conversions Part 2

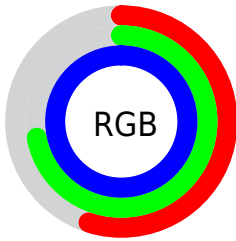
Format	Color
RYB	141, 172, 255
Decimal	9287935
CIELab	74.29, 3.86, -39.55
CIElCh	74, 39.739, 275.575
Yxy	47.1637, 0.2373, 0.2423
Android (android.graphics.Color)	4287478015 (0xFF8DB8FF)
YUV	179.2370, 37.3512, -33.5338
Hunter-Lab	68.6758, -0.1661, -39.3630

Details

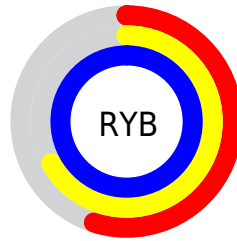
The XYZ color **46.1750, 47.1637, 101.2776** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.5921, 70.2713, 35.0971**, and the grayscale version is **42.8010, 45.0300, 49.0376**.

A 20% lighter version of the original color is **72.7633, 81.6823, 106.5390**, and **21.9655, 22.1946, 56.5524** is the 20% darker color. If you saturate the color by 10%, you get **39.2119, 38.9493, 100.0590**, and if you desaturate by 10%, it is **54.5095, 56.6368, 102.6668**.

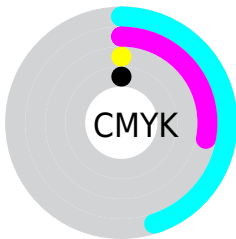
Distribution



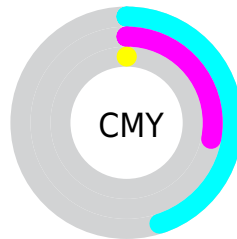
- Red (55%)
- Green (72%)
- Blue (100%)



- Red (55%)
- Yellow (67%)
- Blue (100%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1750, 47.1637, 101.2776 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 46.1750, 47.1637, 101.2776 by changing the saturation by 10% instead.

■ 46.1750, 47.1637,
101.2776

■ 46.1750, 47.1637,
101.2776

362.2159,
375.4676, 585.5627

■ 32.5891, 33.1651,
76.7451

■ 83.7071, 85.9579,
164.9790

■ 21.9696, 22.2529,
56.5334

■ 108.3841,
111.5223, 204.9849

■ 13.9511, 14.0429,
40.2239

137.4888,
141.7108, 250.9858

■ 8.1681, 8.1505,
27.3980

171.3866,
176.9077, 303.4001

■ 4.2554, 4.1914,
17.6373

210.4428,
217.4974, 362.6464

■ 1.8476, 1.7812,
10.5232

255.0229,

■ 0.5461, 0.4754,

263.8644, 429.1432

5.6371

305.4921,
316.3930, 503.3092

■ 0.0000, 0.0000,
2.5605

■ 0.0000, 0.0000,
0.8720

■ 46.1750, 47.1637,
101.2776

■ 46.1750, 47.1637,
101.2776

■ 39.2119, 38.9493,
100.0590

■ 54.5095, 56.6368,
102.6668

■ 33.5341, 31.9283,
99.0031

■ 64.2855, 67.4191,
104.2327

■ 29.0520, 26.0363,
98.1021

■ 75.5732, 79.5644,
105.9821

■ 25.6608, 21.1993,
97.3471

■ 88.4368, 93.1214,
107.9209

■ 23.2339, 17.3303,
96.7283

95.0500, 100.0000,
108.9000

■ 22.2497, 15.6193,
96.4499

Harmonies

Analogous

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



39.3862, 47.1637, 96.1254



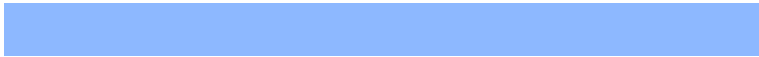
46.1750, 47.1637, 101.2776



53.3000, 47.1637, 90.4385

Triad

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



46.1750, 47.1637, 101.2776



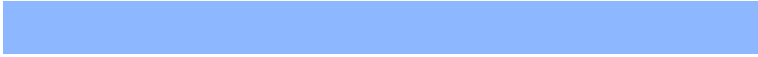
56.9491, 47.1637, 31.7043



33.4516, 47.1637, 36.7484

Complementary

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



46.1750, 47.1637, 101.2776



69.5921, 70.2713, 35.0971

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.



37.3044, 47.1637, 25.5492



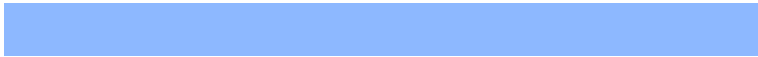
46.1750, 47.1637, 101.2776



50.7486, 47.1637, 23.2246

Square

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



46.1750, 47.1637, 101.2776



59.9297, 47.1637, 47.6266



43.5068, 47.1637, 21.3155



32.5032, 47.1637, 55.2694

Rectangle

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



46.1750, 47.1637, 101.2776



57.1348, 47.1637, 76.9469



43.5068, 47.1637, 21.3155



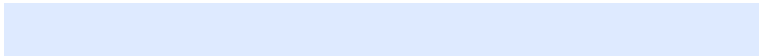
34.4284, 47.1637, 32.1757

Sweetspot

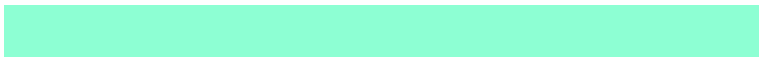
The Sweet Spot groups the original color and five complimentary colors.



46.1765, 47.1654, 101.2778



77.6519, 81.7733, 106.2989



58.5411, 81.9015, 74.5498



16.0462, 16.8921, 22.6647



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.



46.1765, 47.1654, 101.2778



39.6590, 39.4877, 100.1394



40.9601, 33.1712, 98.8516



17.5644, 18.5004, 22.8951



11.7578, 8.4252, 50.4411



1.2459, 1.0225, 4.9450

Inverse Universe

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



59.4177, 43.7721, 50.6662



54.8202, 36.9262, 41.8921



77.0834, 92.2675, 38.9480



18.2928, 18.1004, 20.1590



22.7230, 11.5785, 7.1917



2.2635, 1.1478, 0.9689

Previews

White Background



This preview shows how the XYZ color 46.1750, 47.1637, 101.2776 looks on a white background.

Color Contrast Check

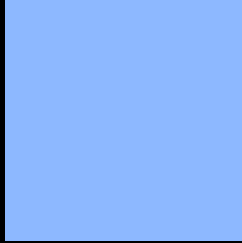
Large Text (above 18pt) WCAG AA × Fail

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 46.1750, 47.1637, 101.2776 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

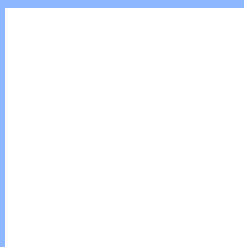
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1750, 47.1637, 101.2776

Background



This preview shows how black text looks on a background with the XYZ color 46.1750, 47.1637, 101.2776.



This preview shows how white text looks on a background with the XYZ color 46.1750, 47.1637,

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

46.1750, 47.1637, 101.2776

Protanopia

48.5899, 47.2479, 98.6542

Deuteranopia

48.2759, 47.0306, 101.1411



Tritanopia

39.3572, 47.2832, 66.7267

Trichromacy



Original Color

46.1750, 47.1637, 101.2776

Protanomaly

47.5799, 47.0096, 99.4945

Deuteranomaly

47.3364, 46.8471, 101.1552

Tritanomaly

41.6769, 47.2497, 78.1577

Monochromacy



Original Color

46.1750, 47.1637, 101.2776

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.3034, 45.5521, 65.5416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1750, 47.1637, 101.2776 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(141, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 184, 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(141, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 184, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1750, 47.1637, 101.2776 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(141, 184, 255) }
```


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

```
.border{ border-color:rgb(141, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 184,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1750, 47.1637, 101.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 184, 255) }
```

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

```
.background{ background-color: rgb(141,  
184, 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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