

Converting Colors

XYZ(46.7188, 62.0102,
104.1146)

Have a look what the booklet for
XYZ(46.7188, 62.0102, 104.1146)
contains.

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Color

**XYZ(46.7201, 61.9700,
104.1067)**

Conversions

Conversions Part 1

Format	Color
Hex	3AE1FF
RGB	58, 225, 255
RGB Percent	23%, 88%, 100%
CMY	0.7725, 0.1176, 0.0000
CMYK	0.77, 0.12, 0.00, 0.00
HSL	189°, 100%, 61%
HSV	189°, 77%, 100%
XYZ	46.7201, 61.9700, 104.1067
YIQ	178.4870, -109.1620, -26.0740

Conversions

Conversions Part 2

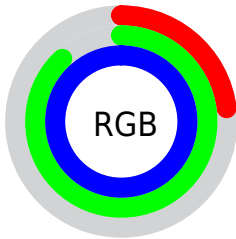
Format	Color
R _Y B	58, 148, 255
Decimal	3858943
CIE Lab	82.90, -31.68, -26.52
CIE LCh	83, 41.315, 219.931
Yxy	61.9700, 0.2196, 0.2912
Android (android.graphics.Color)	4282049023 (0xFF3AE1FF)
YUV	178.4870, 37.7209, -105.6671
Hunter-Lab	78.7210, -31.8239, -23.3049

Details

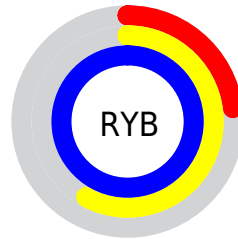
The XYZ color **46.7201, 61.9700, 104.1067** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.4948, 28.5470, 7.1173**, and the grayscale version is **42.4256, 44.6351, 48.6076**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **24.3810, 32.4532, 58.4052** is the 20% darker color. If you saturate the color by 10%, you get **44.5500, 59.3117, 103.7080**, and if you desaturate by 10%, it is **49.6508, 65.0583, 104.5484**.

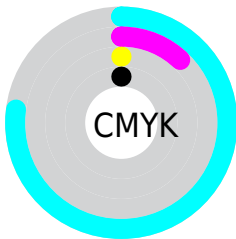
Distribution



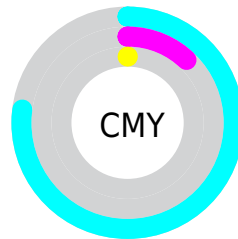
- Red (23%)
- Green (88%)
- Blue (100%)



- Red (23%)
- Yellow (58%)
- Blue (100%)



- Cyan (77%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7201, 61.9700, 104.1067 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 46.7201, 61.9700, 104.1067 by changing the saturation by 10% instead.

46.7201, 61.9700,
104.1067

46.7201, 61.9700,
104.1067

364.3638,
431.8217, 594.6392

33.0215, 45.0085,
79.0987

84.5170, 107.6822,
168.8903

22.3022, 31.4641,
58.4552

109.3459,
137.2016, 209.5030

14.1970, 20.9525,
41.7576

138.6156,
171.6758, 256.1543

8.3404, 13.0893,
28.5874

172.6915,
211.4891, 309.2627

4.3672, 7.4901,
18.5260

211.9389,
257.0259, 369.2469

1.9119, 3.7704,
11.1549

256.7232,

0.5837, 1.5460,

308.6707, 436.5254

6.0557

307.4097,
366.8078, 511.5166

■ 0.0000, 0.3208,
2.8096

■ 0.0000, 0.0000,
0.9983

■ 46.7201, 61.9700,
104.1067

■ 46.7201, 61.9700,
104.1067

■ 44.5500, 59.3117,
103.7080

■ 49.6508, 65.0583,
104.5484

■ 43.0118, 57.0132,
103.3454

■ 53.4322, 68.6196,
105.0365

■ 42.6491, 56.4182,
103.2497

■ 58.1475, 72.6982,
105.5752

■ 63.8683, 77.3312,
106.1679

70.6590, 82.5522,
106.8178

78.5786, 88.3918,
107.5275

87.6819, 94.8783,
108.2998

95.0500, 100.0000,
108.9000

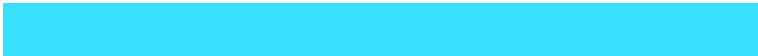
Harmonies

Analogous

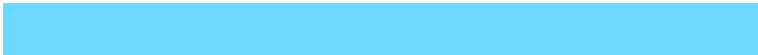
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.5906, 61.9700, 76.2923



46.7201, 61.9700, 104.1067



53.2173, 61.9700, 124.8240

Triad

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



46.7201, 61.9700, 104.1067



76.4955, 61.9700, 85.7432



55.9960, 61.9700, 29.7759

Complementary

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



46.7201, 61.9700, 104.1067



45.4948, 28.5470, 7.1173

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.



64.9749, 61.9700, 31.0950



46.7201, 61.9700, 104.1067



77.4315, 61.9700, 59.3643

Square

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



46.7201, 61.9700, 104.1067



70.5912, 61.9700, 112.5054



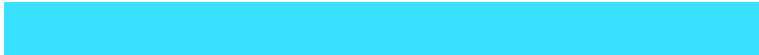
73.0331, 61.9700, 40.6353



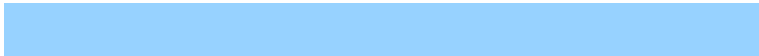
48.5777, 61.9700, 36.4199

Rectangle

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



46.7201, 61.9700, 104.1067



58.8801, 61.9700, 129.3658



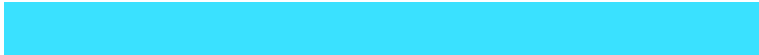
73.0331, 61.9700, 40.6353



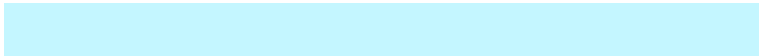
58.9211, 61.9700, 29.3519

Sweetspot

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



46.7219, 61.9722, 104.1071



73.8828, 84.9562, 107.1119



39.2492, 73.1174, 21.1823



15.2245, 17.7451, 22.8727



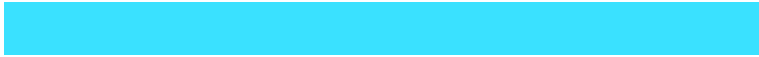
0.0000, 0.0000, 0.0000



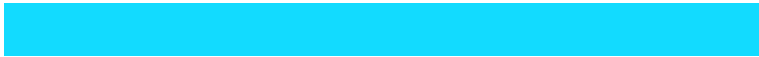
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7219, 61.9722, 104.1071



43.5987, 57.9512, 103.4955



27.3800, 23.2884, 97.6598



18.3054, 19.9823, 23.1421



22.3741, 29.6579, 53.9799



2.2394, 3.0096, 5.2761

Inverse Universe

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



56.3449, 29.7241, 74.0041



54.2252, 26.7963, 69.2540



59.5747, 56.7068, 11.8106



18.6668, 18.2500, 22.1284



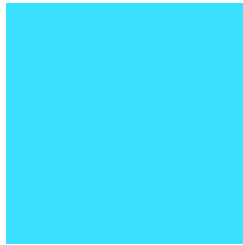
28.0816, 13.7219, 35.4099



2.7650, 1.3484, 3.6098

Previews

White Background



This preview shows how the XYZ color 46.7201, 61.9700, 104.1067 looks on a white background.

Color Contrast Check

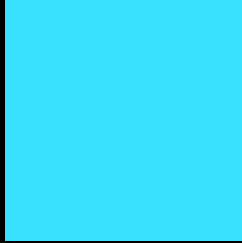
Large Text (above 18pt) WCAG AA × Fail

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 46.7201, 61.9700, 104.1067 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

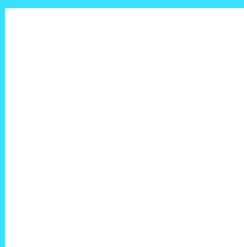
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7201, 61.9700, 104.1067

Background



This preview shows how black text looks on a background with the XYZ color 46.7201, 61.9700, 104.1067.

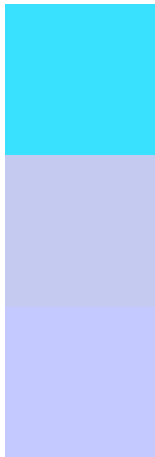


This preview shows how white text looks on a background with the XYZ color 46.7201, 61.9700,

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

46.7201, 61.9700, 104.1067

Protanopia

60.1101, 60.8735, 91.0197

Deuteranopia

61.7016, 60.7291, 103.0776



Tritanopia

45.2171, 62.1837, 96.0057

Trichromacy



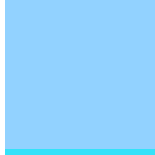
Original Color

46.7201, 61.9700, 104.1067



Protanomaly

51.6298, 59.2921, 95.1095



Deuteranomaly

52.9507, 59.4242, 103.2870



Tritanomaly

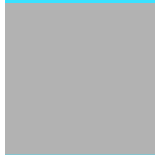
45.7114, 61.9623, 99.1732

Monochromacy



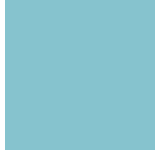
Original Color

46.7201, 61.9700, 104.1067



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.4872, 48.5548, 65.6306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7201, 61.9700, 104.1067 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(58, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(58, 225, 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(58, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.7201, 61.9700, 104.1067 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(58, 225, 255) }
```


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

```
.border{ border-color:rgb(58, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(58, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7201, 61.9700, 104.1067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 225, 255) }
```

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

```
.background{ background-color: rgb(58, 225,  
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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