

Converting Colors

XYZ(47.9932, 60.8633,
103.8260)

Have a look what the booklet for
XYZ(47.9932, 60.8633, 103.8260)
contains.

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Color

**XYZ(48.1229, 61.1066,
103.8661)**

Conversions

Conversions Part 1

Format	Color
Hex	5ADDFF
RGB	90, 221, 255
RGB Percent	35%, 87%, 100%
CMY	0.6470, 0.1333, 0.0000
CMYK	0.65, 0.13, 0.00, 0.00
HSL	192°, 100%, 68%
HSV	192°, 65%, 100%
XYZ	48.1229, 61.1066, 103.8661
YIQ	185.7070, -88.9900, -17.1980

Conversions

Conversions Part 2

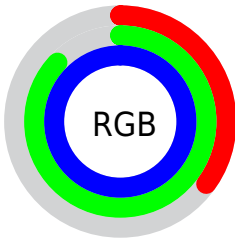
Format	Color
R_{YB}	90, 163, 255
Decimal	5955071
CIE _{Lab}	82.44, -25.78, -27.16
CIE _{LCh}	82, 37.450, 226.494
Yxy	61.1066, 0.2258, 0.2868
Android (android.graphics.Color)	4284145151 (0xFF5ADDFF)
YUV	185.7070, 34.1614, -83.9350
Hunter-Lab	78.1707, -26.9118, -24.0596

Details

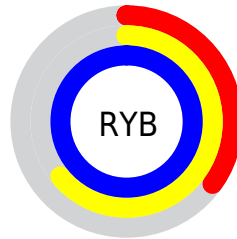
The XYZ color **48.1229, 61.1066, 103.8661** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.2943, 36.4152, 14.0530**, and the grayscale version is **46.3612, 48.7756, 53.1166**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **23.8293, 31.3497, 58.2212** is the 20% darker color. If you saturate the color by 10%, you get **44.6892, 57.3103, 103.3144**, and if you desaturate by 10%, it is **52.4539, 65.4324, 104.4728**.

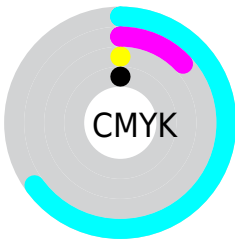
Distribution



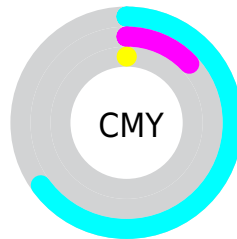
- Red (35%)
- Green (87%)
- Blue (100%)



- Red (35%)
- Yellow (64%)
- Blue (100%)



- Cyan (65%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1229, 61.1066, 103.8661 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 48.1229, 61.1066, 103.8661 by changing the saturation by 10% instead.

48.1229, 61.1066,
103.8661

48.1229, 61.1066,
103.8661

369.8536,
428.6648, 593.8701

34.1359, 44.3112,
78.8984

86.5959, 106.4333,
168.5581

23.1614, 30.9152,
58.2914

111.8127,
135.7333, 209.1194

14.8341, 20.5343,
41.6267

141.5034,
169.9704, 255.7157

8.7886, 12.7840,
28.4857

176.0334,
209.5289, 308.7654

4.6595, 7.2800,
18.4499

215.7680,
254.7932, 368.6872

2.0816, 3.6378,
11.1007

261.0727,

0.6792, 1.4731,

306.1476, 435.8996

6.0196

312.3128,
363.9767, 510.8210

■ 0.0000, 0.2697,
2.7880

■ 0.0000, 0.0000,
0.9874

■ 48.1229, 61.1066,
103.8661

■ 48.1229, 61.1066,
103.8661

■ 44.6892, 57.3103,
103.3144

■ 52.4539, 65.4324,
104.4728

■ 42.0560, 53.9893,
102.8121

■ 57.7555, 70.3224,
105.1373

■ 40.1124, 51.0872,
102.3544

■ 64.0994, 75.8153,
105.8632

■ 39.2778, 49.6757,
102.1259

■ 71.5488, 81.9442,
106.6535

■ 80.1618, 88.7397,
107.5112

■ 89.9922, 96.2301,
108.4389

95.0500, 100.0000,
108.9000

Harmonies

Analogous

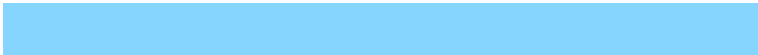
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.5466, 61.1066, 79.8397



48.1229, 61.1066, 103.8661



54.5619, 61.1066, 119.2073

Triad

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



48.1229, 61.1066, 103.8661



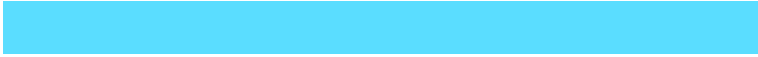
74.3539, 61.1066, 77.3601



53.8221, 61.1066, 32.6079

Complementary

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



48.1229, 61.1066, 103.8661



50.2943, 36.4152, 14.0530

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.



61.7462, 61.1066, 32.2397



48.1229, 61.1066, 103.8661



74.1094, 61.1066, 54.7966

Square

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



48.1229, 61.1066, 103.8661



69.9639, 61.1066, 101.6955



69.3237, 61.1066, 39.4289



47.6243, 61.1066, 40.5861

Rectangle

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



48.1229, 61.1066, 103.8661



59.8369, 61.1066, 120.5924



69.3237, 61.1066, 39.4289



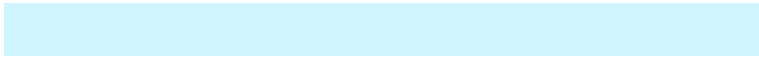
56.3578, 61.1066, 31.6661

Sweetspot

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



48.1247, 61.1088, 103.8665



76.3140, 85.7356, 107.1342



43.5530, 75.1244, 30.9463



15.8125, 17.9380, 22.8789



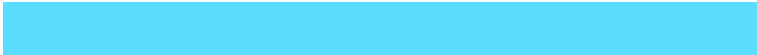
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.1247, 61.1088, 103.8665



43.7371, 56.1650, 103.1435



31.5735, 28.0064, 98.3494



18.2184, 19.8083, 23.1131



20.6342, 26.1780, 53.3999



2.0854, 2.7014, 5.2248

Inverse Universe

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



57.9485, 33.7945, 71.8777



54.7987, 28.9539, 66.3296



65.0377, 65.9019, 18.9674



18.6229, 18.2325, 21.8972



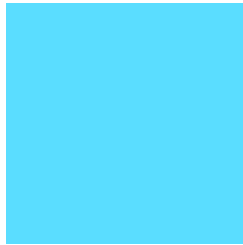
27.2034, 13.3706, 30.7852



2.6872, 1.3173, 3.2002

Previews

White Background



This preview shows how the XYZ color 48.1229, 61.1066, 103.8661 looks on a white background.

Color Contrast Check

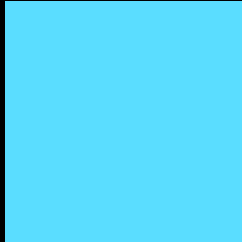
Large Text (above 18pt) WCAG AA × Fail

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 48.1229, 61.1066, 103.8661 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 48.1229, 61.1066, 103.8661

Background



This preview shows how black text looks on a background with the XYZ color 48.1229, 61.1066, 103.8661.

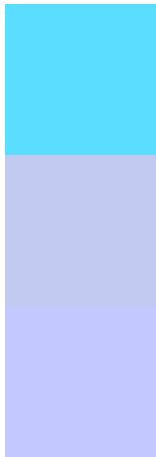


This preview shows how white text looks on a background with the XYZ color 48.1229, 61.1066,

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

48.1229, 61.1066, 103.8661

Protanopia

59.6532, 60.2540, 92.4905

Deuteranopia

61.2100, 60.1307, 102.9880



Tritanopia

45.8321, 60.9652, 92.5709

Trichromacy



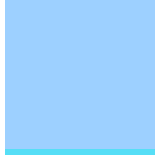
Original Color

48.1229, 61.1066, 103.8661



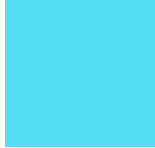
Protanomaly

53.4936, 59.4844, 96.6579



Deuteranomaly

54.5105, 59.4998, 103.2194



Tritanomaly

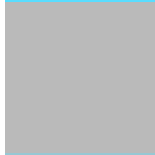
46.5936, 60.8748, 96.4831

Monochromacy



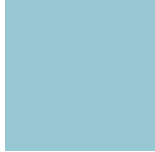
Original Color

48.1229, 61.1066, 103.8661



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.9438, 52.1293, 69.3212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1229, 61.1066, 103.8661 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(90, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 221, 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(90, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1229, 61.1066, 103.8661 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(90, 221, 255) }
```


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

```
.border{ border-color:rgb(90, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1229, 61.1066, 103.8661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 221, 255) }
```

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

```
.background{ background-color: rgb(90, 221,  
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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