

Converting Colors

XYZ(64.2543, 63.3639,
130.2555)

Have a look what the booklet for
XYZ(64.2543, 63.3639, 130.2555)
contains.

XYZ(58.9437, 61.0659, 103.2880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.9437, 61.0659,
103.2880)**

Conversions

Conversions Part 1

Format	Color
Hex	B4CEFF
RGB	180, 206, 255
RGB Percent	71%, 81%, 100%
CMY	0.2941, 0.1921, 0.0000
CMYK	0.29, 0.19, 0.00, 0.00
HSL	219°, 100%, 85%
HSV	219°, 29%, 100%
XYZ	58.9437, 61.0659, 103.2880
YIQ	203.8120, -31.2250, 9.7270

Conversions

Conversions Part 2

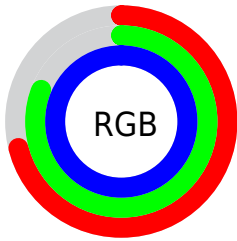
Format	Color
R _Y B	180, 199, 255
Decimal	11849471
CIE Lab	82.41, 2.19, -26.83
CIE LCh	82, 26.923, 274.660
Yxy	61.0659, 0.2640, 0.2735
Android (android.graphics.Color)	4290039551 (0xFFB4CEFF)
YUV	203.8120, 25.2357, -20.8831
Hunter-Lab	78.1447, -2.1125, -23.6655

Details

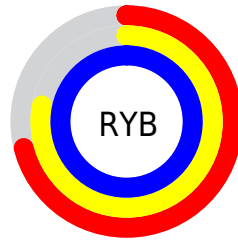
The XYZ color **58.9437, 61.0659, 103.2880** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.4977, 80.5938, 54.6534**, and the grayscale version is **57.1372, 60.1128, 65.4628**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **29.8787, 30.8937, 57.8144** is the 20% darker color. If you saturate the color by 10%, you get **49.7443, 50.6831, 101.7688**, and if you desaturate by 10%, it is **69.6638, 72.8665, 105.0007**.

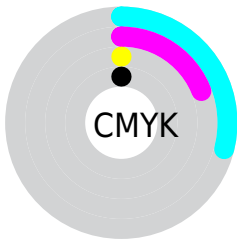
Distribution



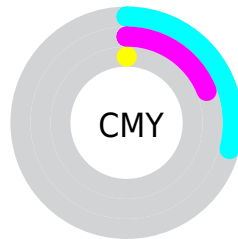
- Red (71%)
- Green (81%)
- Blue (100%)



- Red (71%)
- Yellow (78%)
- Blue (100%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9437, 61.0659, 103.2880 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 58.9437, 61.0659, 103.2880 by changing the saturation by 10% instead.

■ 58.9437, 61.0659,
103.2880

■ 58.9437, 61.0659,
103.2880

410.5907,
428.5156, 592.0201

■ 42.8140, 44.2784,
78.4172

■ 102.4109,
106.3743, 167.7595

■ 29.9331, 30.8894,
57.8983

130.4792,
135.6640, 208.1973

■ 19.9356, 20.5146,
41.3127

163.2576,
169.8899, 254.6611

■ 12.4562, 12.7697,
28.2420

201.1116,
209.4363, 307.5695

■ 7.1296, 7.2701,
18.2675

244.4066,
254.6877, 367.3411

■ 3.5903, 3.6316,
10.9708

293.5079,

■ 1.4731, 1.4697,

306.0285, 434.3944

5.9333

348.7808,
363.8430, 509.1479

■ 0.3074, 0.2673,
2.7364

■ 0.0000, 0.0000,
0.9617

■ 58.9437, 61.0659,
103.2880

■ 58.9437, 61.0659,
103.2880

■ 49.7443, 50.6831,
101.7688

■ 69.6638, 72.8665,
105.0007

■ 41.9870, 41.6539,
100.4348

■ 81.9672, 86.1317,
106.9127

■ 35.5942, 33.9190,
99.2787

95.0500, 100.0000,
108.9000

■ 30.4779, 27.4113,
98.2923

■ 26.5389, 22.0568,
97.4664

■ 23.6610, 17.7709,
96.7908

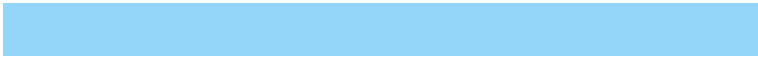
■ 21.6736, 14.4392,
96.2525

■ 21.5731, 14.2662,
96.2244

Harmonies

Analogous

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



53.4387, 61.0659, 99.3935



58.9437, 61.0659, 103.2880



64.5558, 61.0659, 96.0699

Triad

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



58.9437, 61.0659, 103.2880



67.6144, 61.0659, 50.0662



48.6152, 61.0659, 53.8433

Complementary

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



58.9437, 61.0659, 103.2880



77.4977, 80.5938, 54.6534

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.



51.9805, 61.0659, 43.7065



58.9437, 61.0659, 103.2880



62.9009, 61.0659, 41.7914

Square

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



58.9437, 61.0659, 103.2880



69.7677, 61.0659, 63.9523



57.1482, 61.0659, 39.6705



47.7085, 61.0659, 69.0948

Rectangle

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



58.9437, 61.0659, 103.2880



67.5310, 61.0659, 86.5297



57.1482, 61.0659, 39.6705



49.4850, 61.0659, 49.8116

Sweetspot

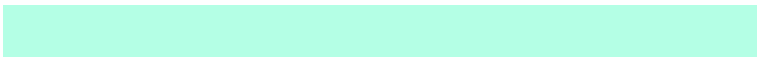
The Sweet Spot groups the original color and five complimentary colors.



58.9455, 61.0682, 103.2883



82.5070, 86.7082, 106.9955



68.6913, 86.8670, 87.0933



17.2530, 18.1241, 22.8389



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.



58.9455, 61.0682, 103.2883



53.6199, 55.0928, 102.4156



55.9215, 50.9731, 101.4992



17.5180, 18.4075, 22.8797



11.3976, 7.7047, 50.3210



1.2072, 0.9450, 4.9321

Inverse Universe

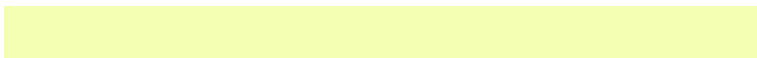
The Inverse Universe completely reimagines the original color for something new.



68.7030, 58.3603, 66.0387



64.8736, 52.4587, 59.3448



81.2203, 94.0039, 57.0457



18.2693, 18.0910, 20.0355



22.5412, 11.5058, 6.2342



2.2439, 1.1399, 0.8660

Previews

White Background



This preview shows how the XYZ color 58.9437, 61.0659, 103.2880 looks on a white background.

Color Contrast Check

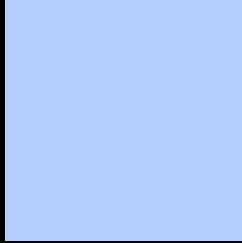
Large Text (above 18pt) WCAG AA × Fail

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 58.9437, 61.0659, 103.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

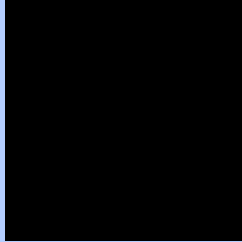
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

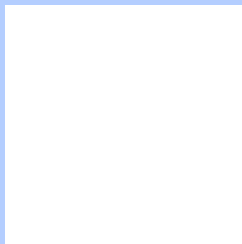
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.9437, 61.0659, 103.2880

Background



This preview shows how black text looks on a background with the XYZ color 58.9437, 61.0659, 103.2880.



This preview shows how white text looks on a background with the XYZ color 58.9437, 61.0659,

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

58.9437, 61.0659, 103.2880

Protanopia

61.0779, 61.1412, 101.5108

Deuteranopia

62.2253, 60.9991, 103.1021



Tritanopia

54.7534, 61.1886, 82.3236

Trichromacy



Original Color

58.9437, 61.0659, 103.2880

Protanomaly

60.2213, 61.0329, 102.3724

Deuteranomaly

60.8918, 61.0082, 103.1742

Tritanomaly

56.1376, 61.0041, 89.7051

Monochromacy



Original Color

58.9437, 61.0659, 103.2880

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.6563, 60.5925, 78.4687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9437, 61.0659, 103.2880 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(180, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 206, 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(180, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.9437, 61.0659, 103.2880 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(180, 206, 255) }
```


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

```
.border{ border-color:rgb(180, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9437, 61.0659, 103.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 206, 255) }
```

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

```
.background{ background-color: rgb(180,  
206, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor