

Converting Colors

XYZ(60.0256, 63.2296,
103.6486)

Have a look what the booklet for
XYZ(60.0256, 63.2296, 103.6486)
contains.

XYZ(59.9190, 63.0165, 103.6131)	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(59.9190, 63.0165,
103.6131)**

Conversions

Conversions Part 1

Format	Color
Hex	B4D2FF
RGB	180, 210, 255
RGB Percent	71%, 82%, 100%
CMY	0.2941, 0.1765, 0.0000
CMYK	0.29, 0.18, 0.00, 0.00
HSL	216°, 100%, 85%
HSV	216°, 29%, 100%
XYZ	59.9190, 63.0165, 103.6131
YIQ	206.1600, -32.3250, 7.6350

Conversions

Conversions Part 2

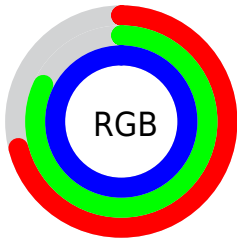
Format	Color
R_{YB}	180, 201, 255
Decimal	11850495
CIE Lab	83.45, 0.06, -25.25
CIE LCh	83, 25.253, 270.128
Yxy	63.0165, 0.2645, 0.2782
Android (android.graphics.Color)	4290040575 (0xFFB4D2FF)
YUV	206.1600, 24.0781, -22.9423
Hunter-Lab	79.3829, -4.1866, -21.8191

Details

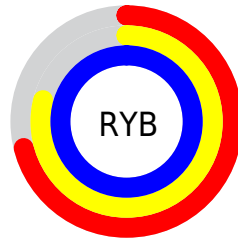
The XYZ color **59.9190, 63.0165, 103.6131** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.4036, 78.4055, 54.2887**, and the grayscale version is **58.6357, 61.6893, 67.1797**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.5390, 32.2141, 58.0345** is the 20% darker color. If you saturate the color by 10%, you get **50.9215, 53.0376, 102.1612**, and if you desaturate by 10%, it is **70.3733, 74.2855, 105.2372**.

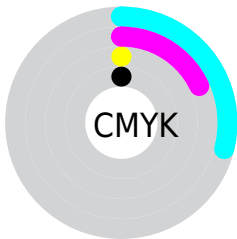
Distribution



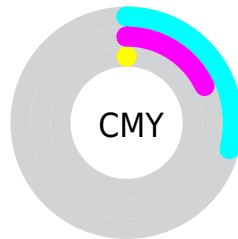
- Red (71%)
- Green (82%)
- Blue (100%)



- Red (71%)
- Yellow (79%)
- Blue (100%)



- Cyan (29%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9190, 63.0165, 103.6131 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 59.9190, 63.0165, 103.6131 by changing the saturation by 10% instead.

■ 59.9190, 63.0165,
103.6131

■ 59.9190, 63.0165,
103.6131

414.1387,
435.6294, 593.0609

■ 43.6026, 45.8546,
78.6878

■ 103.8192,
109.1933, 168.2086

■ 30.5547, 32.1311,
58.1193

132.1336,
138.9770, 208.7159

■ 20.4102, 21.4616,
41.4893

165.1781,
173.7367, 255.2543

■ 12.8036, 13.4619,
28.3790

203.3180,
213.8568, 308.2422

■ 7.3695, 7.7473,
18.3700

246.9186,
259.7217, 368.0983

■ 3.7426, 3.9337,
11.0438

296.3454,

■ 1.5576, 1.6365,

311.7159, 435.2411

5.9818

351.9636,
370.2236, 510.0891

■ 0.3645, 0.3821,
2.7654

■ 0.0000, 0.0000,
0.9761

■ 59.9190, 63.0165,
103.6131

■ 59.9190, 63.0165,
103.6131

■ 50.9215, 53.0376,
102.1612

■ 70.3733, 74.2855,
105.2372

■ 43.3053, 44.2904,
100.8742

■ 82.3439, 86.8851,
107.0383

■ 36.9959, 36.7223,
99.7460

95.0500, 100.0000,
108.9000

■ 31.9091, 30.2736,
98.7694

■ 27.9494, 24.8778,
97.9366

■ 25.0051, 20.4590,
97.2388

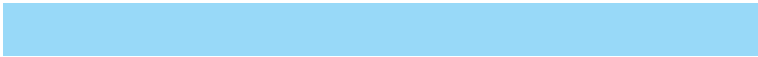
■ 22.9100, 16.9121,
96.6646

■ 22.8020, 16.7241,
96.6340

Harmonies

Analogous

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



54.7764, 63.0165, 98.4018



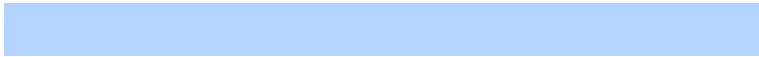
59.9190, 63.0165, 103.6131



65.3670, 63.0165, 98.3155

Triad

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



59.9190, 63.0165, 103.6131



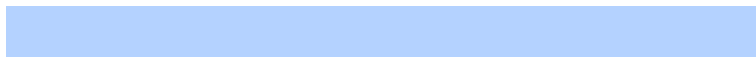
69.5248, 63.0165, 54.4950



51.1773, 63.0165, 54.5959

Complementary

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



59.9190, 63.0165, 103.6131



76.4036, 78.4055, 54.2887

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.



54.7377, 63.0165, 45.5926



59.9190, 63.0165, 103.6131



65.3235, 63.0165, 45.5409

Square

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



59.9190, 63.0165, 103.6131



71.1163, 63.0165, 68.5464



59.8716, 63.0165, 42.5446



49.9215, 63.0165, 68.6822

Rectangle

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



59.9190, 63.0165, 103.6131



68.3921, 63.0165, 89.9410



59.8716, 63.0165, 42.5446



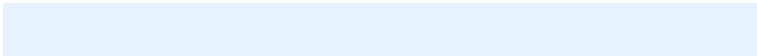
52.1331, 63.0165, 50.9572

Sweetspot

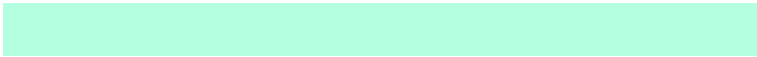
The Sweet Spot groups the original color and five complimentary colors.



59.9208, 63.0189, 103.6134



82.8686, 87.4314, 107.1160



68.0040, 86.5921, 83.4741



17.3418, 18.3017, 22.8685



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.



59.9208, 63.0189, 103.6134



54.7158, 57.2845, 102.7809



54.6832, 50.3348, 101.4412



17.5993, 18.5703, 22.9068



12.0509, 9.0114, 50.5388



1.2768, 1.0842, 4.9553

Inverse Universe

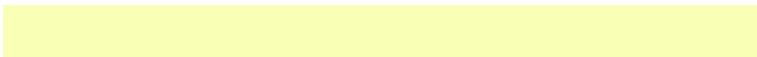
The Inverse Universe completely reimagines the original color for something new.



69.1953, 58.5573, 68.6311



65.4267, 52.6800, 62.2576



82.9765, 94.9093, 57.1279



18.3104, 18.1075, 20.2517



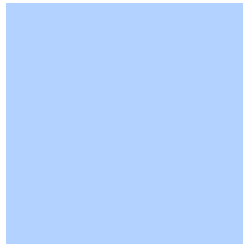
22.8709, 11.6377, 7.9708



2.2791, 1.1540, 1.0510

Previews

White Background



This preview shows how the XYZ color 59.9190, 63.0165, 103.6131 looks on a white background.

Color Contrast Check

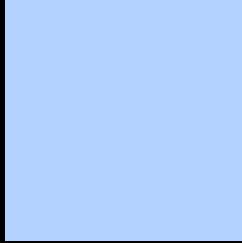
Large Text (above 18pt) WCAG AA × Fail

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 59.9190, 63.0165, 103.6131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

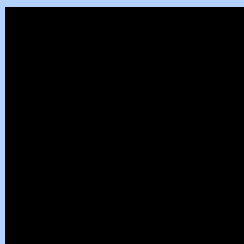
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

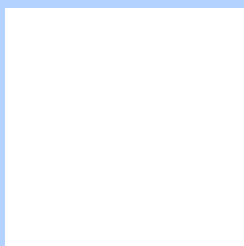
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.9190, 63.0165, 103.6131

Background



This preview shows how black text looks on a background with the XYZ color 59.9190, 63.0165, 103.6131.



This preview shows how white text looks on a background with the XYZ color 59.9190, 63.0165,

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

59.9190, 63.0165, 103.6131

Protanopia

62.6680, 63.0412, 100.9607

Deuteranopia

64.0345, 62.6284, 103.3212



Tritanopia

56.1496, 62.9766, 84.7976

Trichromacy



Original Color

59.9190, 63.0165, 103.6131

Protanomaly

61.5283, 62.7939, 101.8060

Deuteranomaly

62.6270, 62.9647, 103.4604

Tritanomaly

57.6539, 63.2269, 91.6034

Monochromacy



Original Color

59.9190, 63.0165, 103.6131

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.7933, 61.8778, 79.3659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9190, 63.0165, 103.6131 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, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 210, 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, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 210, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.9190, 63.0165, 103.6131 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, 210, 255) }
```


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

```
.border{ border-color:rgb(180, 210, 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, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 210,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9190, 63.0165, 103.6131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 210, 255) }
```

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

```
.background{ background-color: rgb(180,  
210, 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