

Converting Colors

XYZ(55.8334, 59.5807, 90.9961)

Have a look what the booklet for
XYZ(55.8334, 59.5807, 90.9961)
contains.

XYZ(55.9309, 59.7810, 91.0291)	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(55.9309, 59.7810,
91.0291)**

Conversions

Conversions Part 1

Format	Color
Hex	B1CEF0
RGB	177, 206, 240
RGB Percent	69%, 81%, 94%
CMY	0.3059, 0.1921, 0.0588
CMYK	0.26, 0.14, 0.00, 0.06
HSL	212°, 68%, 82%
HSV	212°, 26%, 94%
XYZ	55.9309, 59.7810, 91.0291
YIQ	201.2050, -28.1980, 4.4260

Conversions

Conversions Part 2

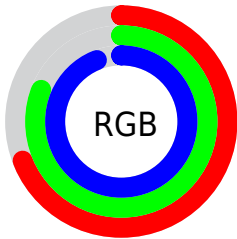
Format	Color
R _Y B	177, 197, 240
Decimal	11652848
CIE Lab	81.72, -2.21, -19.93
CIE LCh	82, 20.051, 263.676
Yxy	59.7810, 0.2705, 0.2892
Android (android.graphics.Color)	4289842928 (0xFFB1CEF0)
YUV	201.2050, 19.1259, -21.2278
Hunter-Lab	77.3182, -6.1824, -15.6812

Details

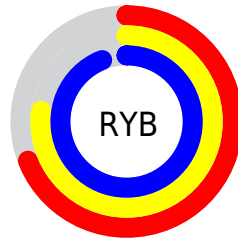
The XYZ color **55.9309, 59.7810, 91.0291** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.1659, 68.2884, 51.2373**, and the grayscale version is **55.5436, 58.4361, 63.6370**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **28.0483, 30.1281, 49.6844** is the 20% darker color. If you saturate the color by 10%, you get **47.9473, 51.2271, 89.7998**, and if you desaturate by 10%, it is **65.1365, 69.3492, 92.3918**.

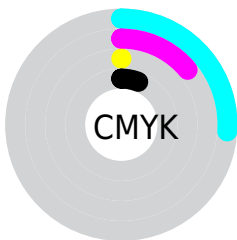
Distribution



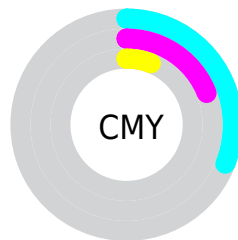
- Red (69%)
- Green (81%)
- Blue (94%)



- Red (69%)
- Yellow (77%)
- Blue (94%)



- Cyan (26%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)



- Cyan (31%)
- Magenta (19%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9309, 59.7810, 91.0291 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 55.9309, 59.7810, 91.0291 by changing the saturation by 10% instead.

■ 55.9309, 59.7810,
91.0291

■ 55.9309, 59.7810,
91.0291

399.5103,
423.7901, 552.0291

■ 40.3843, 43.2421,
68.2560

■ 98.0439, 104.5119,
150.7150

■ 28.0239, 30.0751,
49.6380

125.3411,
133.4728, 188.4649

■ 18.4842, 19.8956,
34.7567

157.2858,
167.3431, 232.0441

■ 11.4000, 12.3192,
23.1935

194.2434,
206.5072, 281.8712

■ 6.4058, 6.9615,
14.5298

236.5794,
251.3496, 338.3647

■ 3.1364, 3.4380,
8.3471

284.6589,

■ 1.2263, 1.3645,

302.2546, 401.9431

4.2269

338.8474,
359.6066, 473.0251

■ 0.1270, 0.1903,
1.7506

■ 0.0000, 0.0000,
0.3951

■ 55.9309, 59.7810,
91.0291

■ 55.9309, 59.7810,
91.0291

■ 47.9473, 51.2271,
89.7998

■ 65.1365, 69.3492,
92.3918

■ 41.1236, 43.6419,
88.6954

■ 75.6112, 79.9605,
93.8879

■ 35.4004, 36.9869,
87.7125

■ 87.4062, 91.6513,
95.5228

■ 30.7101, 31.2172,
86.8460

■ 92.7284, 99.0713,
96.6745

■ 26.9770, 26.2836,
86.0905

■ 24.1132, 22.1299,
85.4397

■ 22.0109, 18.6892,
84.8864

■ 21.3568, 17.5481,
84.7006

Harmonies

Analogous

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



52.1477, 59.7810, 85.6674



55.9309, 59.7810, 91.0291



60.1412, 59.7810, 88.7786

Triad

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



55.9309, 59.7810, 91.0291



64.5803, 59.7810, 56.1982



50.5299, 59.7810, 52.2731

Complementary

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



55.9309, 59.7810, 91.0291



67.1659, 68.2884, 51.2373

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.



53.6235, 59.7810, 46.0435



55.9309, 59.7810, 91.0291



61.7635, 59.7810, 48.1058

Square

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



55.9309, 59.7810, 91.0291



65.2728, 59.7810, 67.6849



57.7186, 59.7810, 44.6178



49.1305, 59.7810, 62.5649

Rectangle

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



55.9309, 59.7810, 91.0291



62.6100, 59.7810, 83.3876



57.7186, 59.7810, 44.6178



51.3985, 59.7810, 49.6886

Sweetspot

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



55.9328, 59.7834, 91.0305



84.5270, 89.5102, 107.4299



61.0006, 76.3516, 72.8890



17.6921, 18.7557, 22.9377



0.0000, 0.0000, 0.0000



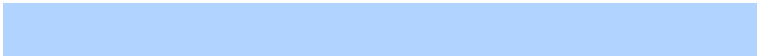
20.3446, 21.4041, 23.3091

Same Dimension

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



55.9328, 59.7834, 91.0305



59.5719, 63.7018, 103.7636



50.0652, 47.3326, 88.9365



15.4969, 16.4279, 20.0757



11.8207, 9.8657, 46.4091



1.0818, 1.0176, 3.8936

Inverse Universe

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



62.7994, 54.4273, 65.5908



68.6822, 57.0617, 69.9070



74.3233, 83.6554, 53.8262



16.0755, 15.8799, 17.9537



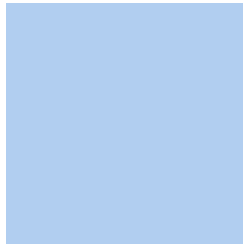
21.2922, 10.7893, 9.4551



1.8210, 0.9174, 1.0482

Previews

White Background



This preview shows how the XYZ color 55.9309, 59.7810, 91.0291 looks on a white background.

Color Contrast Check

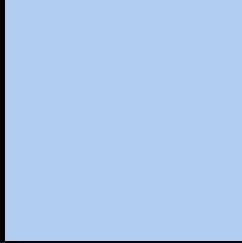
Large Text (above 18pt) WCAG AA × Fail

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 55.9309, 59.7810, 91.0291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

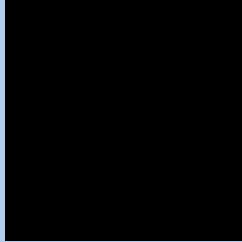
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

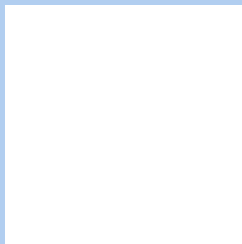
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.9309, 59.7810, 91.0291

Background



This preview shows how black text looks on a background with the XYZ color 55.9309, 59.7810, 91.0291.



This preview shows how white text looks on a background with the XYZ color 55.9309, 59.7810,

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

55.9309, 59.7810, 91.0291

Protanopia

58.9377, 59.6235, 88.5229

Deuteranopia

60.8497, 59.4955, 92.2811



Tritanopia

53.8466, 60.0358, 79.9842

Trichromacy



Original Color

55.9309, 59.7810, 91.0291

Protanomaly

57.7748, 59.7037, 89.3678

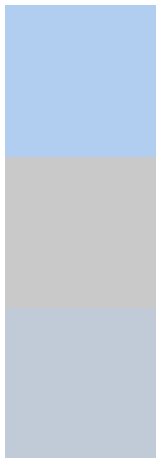
Deuteranomaly

59.0120, 59.5935, 91.6115

Tritanomaly

54.5180, 59.9389, 83.5589

Monochromacy



Original Color

55.9309, 59.7810, 91.0291

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

55.3599, 58.8246, 72.7265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9309, 59.7810, 91.0291 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(177, 206, 240)` looks like.

```
.text, #text, p{  
    color:rgb(177, 206, 240)  
}
```

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(177, 206, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 206, 240) }
```

Border

The CSS property to change the border of an element to XYZ 55.9309, 59.7810, 91.0291 is called "border". The border property can be set on classes, ids or directly on the HTML element.

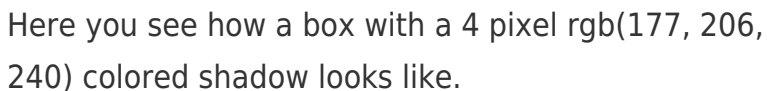
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 206, 240) }
```


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

```
.border{ border-color:rgb(177, 206, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 206, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 206, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 206, 240); box-shadow:4px 4px 4px 4px rgb(177, 206, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9309, 59.7810, 91.0291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 206, 240) }
```

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

```
.background{ background-color: rgb(177,  
206, 240) }
```

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