

# Converting Colors

XYZ(59.2146, 66.2821,  
104.2805)

Have a look what the booklet for  
XYZ(59.2146, 66.2821, 104.2805)  
contains.

<b>XYZ(59.3691, 66.5134, 104.3170)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(59.3691, 66.5134,  
104.3170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6DCFF
RGB	166, 220, 255
RGB Percent	65%, 86%, 100%
CMY	0.3490, 0.1372, 0.0000
CMYK	0.35, 0.14, 0.00, 0.00
HSL	204°, 100%, 83%
HSV	204°, 35%, 100%
XYZ	59.3691, 66.5134, 104.3170
YIQ	207.8440, -43.4190, -0.5630

# Conversions

## Conversions Part 2

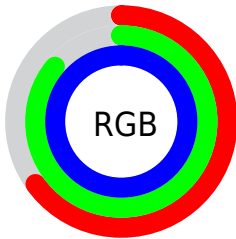
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 200, 255
Decimal	10935551
CIE Lab	85.26, -9.05, -22.58
CIE LCh	85, 24.327, 248.170
Yxy	66.5134, 0.2579, 0.2889
Android (android.graphics.Color)	4289125631 (0xFFA6DCFF)
YUV	207.8440, 23.2479, -36.6972
Hunter-Lab	81.5557, -12.7822, -18.7481

# Details

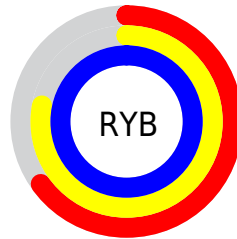
The XYZ color **59.3691, 66.5134, 104.3170** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.0100, 65.7866, 45.1392**, and the grayscale version is **59.7292, 62.8398, 68.4325**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **30.2037, 34.3670, 58.4677** is the 20% darker color. If you saturate the color by 10%, you get **51.9912, 58.9210, 103.2404**, and if you desaturate by 10%, it is **67.9684, 74.9729, 105.4966**.

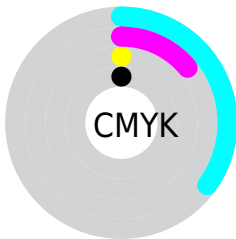
# Distribution



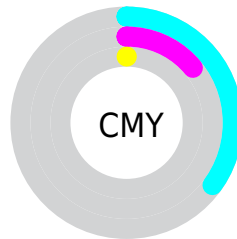
- Red (65%)
- Green (86%)
- Blue (100%)



- Red (65%)
- Yellow (78%)
- Blue (100%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3691, 66.5134, 104.3170 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 59.3691, 66.5134, 104.3170 by changing the saturation by 10% instead.



■ 59.3691, 66.5134,  
104.3170

■ 59.3691, 66.5134,  
104.3170

412.1405,  
448.2107, 595.3110

■ 43.1578, 48.6893,  
79.2738

■ 103.0255,  
114.2229, 169.1806

■ 30.2040, 34.3731,  
58.5983

■ 131.2013,  
144.8770, 209.8381

■ 20.1423, 23.1803,  
41.8720

164.0960,  
180.5767, 256.5375

■ 12.6074, 14.7267,  
28.6762

202.0750,  
221.7062, 309.6972

■ 7.2339, 8.6278,  
18.5926

245.5036,  
268.6499, 369.7359

■ 3.6564, 4.4992,  
11.2024

294.7471,

■ 1.5097, 1.9566,

321.7924, 437.0721

6.0873

350.1710,  
381.5178, 512.1242

■ 0.3324, 0.5821,  
2.8286

■ 0.0000, 0.0000,  
1.0078

■ 59.3691, 66.5134,  
104.3170

■ 59.3691, 66.5134,  
104.3170

■ 51.9912, 58.9210,  
103.2404

■ 67.9684, 74.9729,  
105.4966

■ 45.7633, 52.1501,  
102.2617

■ 77.8439, 84.3271,  
106.7817

■ 40.6149, 46.1619,  
101.3772

■ 89.0536, 94.6114,  
108.1759

■ 36.4646, 40.9100,  
100.5823

95.0500, 100.0000,  
108.9000

■ 33.2178, 36.3413,  
99.8715

■ 30.7590, 32.3916,  
99.2388

■ 29.7258, 30.5716,  
98.9419

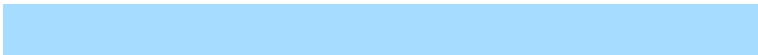
# Harmonies

## Analogous

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



55.2672, 66.5134, 92.7886



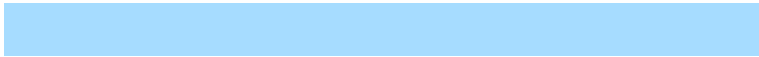
59.3691, 66.5134, 104.3170



64.7332, 66.5134, 106.7120

# Triad

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



59.3691, 66.5134, 104.3170



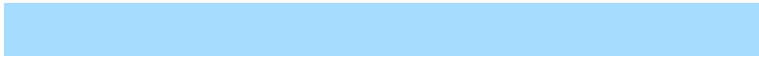
74.2705, 66.5134, 68.2041



56.9086, 66.5134, 51.1330

# Complementary

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



59.3691, 66.5134, 104.3170



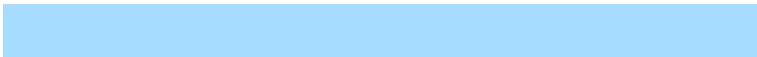
69.0100, 65.7866, 45.1392

# 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.



61.7286, 66.5134, 46.3981



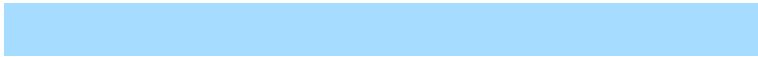
59.3691, 66.5134, 104.3170



71.8991, 66.5134, 55.2772

# Square

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



59.3691, 66.5134, 104.3170



73.5483, 66.5134, 84.2727



67.2318, 66.5134, 47.7969

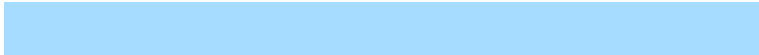


53.9051, 66.5134, 61.7375



# Rectangle

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



59.3691, 66.5134, 104.3170



68.3419, 66.5134, 102.5225



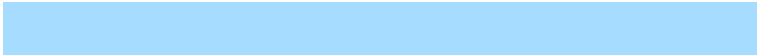
67.2318, 66.5134, 47.7969



58.3587, 66.5134, 48.8776

# Sweetspot

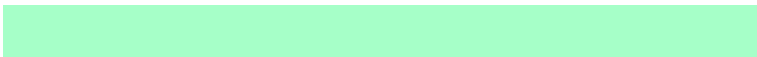
The Sweet Spot groups the original color and five complimentary colors.



59.3710, 66.5159, 104.3174



83.1670, 89.2486, 107.4511



61.9260, 83.8031, 67.6284



17.4673, 18.7958, 22.9573



0.0000, 0.0000, 0.0000

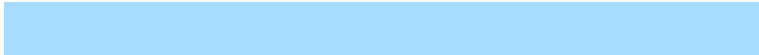


20.3446, 21.4041, 23.3091

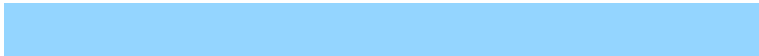


# Same Dimension

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



59.3710, 66.5159, 104.3174



54.0100, 61.0372, 103.5425



49.3780, 46.5300, 100.9864



17.9202, 19.2121, 23.0138



15.6820, 16.2736, 51.7492



1.6334, 1.7975, 5.0741



# Inverse Universe

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



67.7957, 53.7014, 74.5051



63.8099, 47.2067, 68.6229



80.6600, 89.0867, 49.0226



18.4724, 18.1723, 21.1047



24.7038, 12.3708, 17.6223

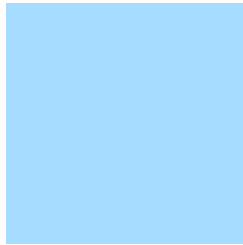


2.4591, 1.2260, 1.9989



# Previews

## White Background



This preview shows how the XYZ color 59.3691, 66.5134, 104.3170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

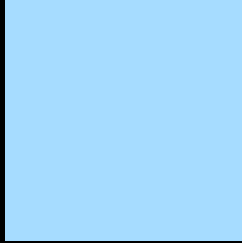
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3691, 66.5134, 104.3170 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

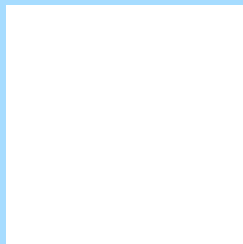
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.3691, 66.5134, 104.3170

## Background



This preview shows how black text looks on a background with the XYZ color 59.3691, 66.5134, 104.3170.



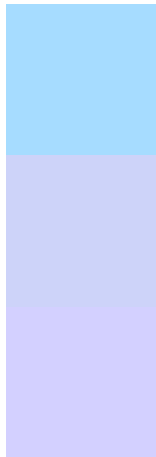
This preview shows how white text looks on a background with the XYZ color 59.3691, 66.5134,



# 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

59.3691, 66.5134, 104.3170

### Protanopia

65.5700, 66.4072, 98.9845

### Deuteranopia

67.4698, 66.1806, 103.8258



## Tritanopia

56.7497, 66.2152, 92.2279

# Trichromacy



## Original Color

59.3691, 66.5134, 104.3170

## Protanomaly

62.9450, 66.1345, 100.7145

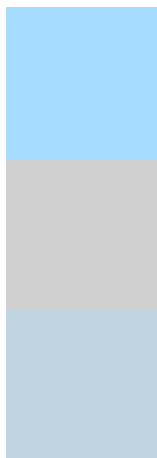
## Deuteranomaly

64.0992, 65.9091, 103.9511

## Tritanomaly

57.4421, 66.0920, 96.1157

# Monochromacy



## Original Color

59.3691, 66.5134, 104.3170

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.1264, 63.8607, 80.4442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3691, 66.5134, 104.3170 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(166, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 220, 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(166, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 220, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3691, 66.5134, 104.3170 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(166, 220, 255) }
```



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

```
.border{ border-color:rgb(166, 220, 255) }
```

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

Here you see how a box with a 4 pixel rgb(166, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 220,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3691, 66.5134, 104.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 220, 255) }
```

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

```
.background{ background-color: rgb(166,  
220, 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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