

Converting Colors

XYZ(49.4996, 64.0023,
104.3525)

Have a look what the booklet for
XYZ(49.4996, 64.0023, 104.3525)
contains.

XYZ(49.3662, 63.7366, 104.3083)	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(49.3662, 63.7366,
104.3083)**

Conversions

Conversions Part 1

Format	Color
Hex	59E2FF
RGB	89, 226, 255
RGB Percent	35%, 89%, 100%
CMY	0.6509, 0.1137, 0.0000
CMYK	0.65, 0.11, 0.00, 0.00
HSL	190°, 100%, 67%
HSV	190°, 65%, 100%
XYZ	49.3662, 63.7366, 104.3083
YIQ	188.3430, -90.9610, -20.0250

Conversions

Conversions Part 2

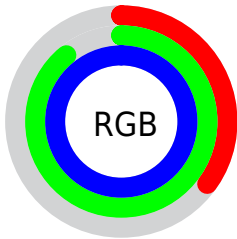
Format	Color
R _Y B	89, 164, 255
Decimal	5890815
CIE Lab	83.83, -28.38, -25.04
CIE LCh	84, 37.848, 221.423
Yxy	63.7366, 0.2271, 0.2932
Android (android.graphics.Color)	4284080895 (0xFF59E2FF)
YUV	188.3430, 32.8619, -87.1238
Hunter-Lab	79.8352, -29.3359, -21.5804

Details

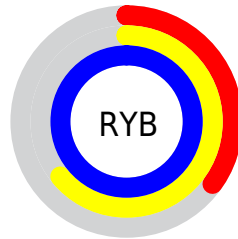
The XYZ color **49.3662, 63.7366, 104.3083** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **49.5227, 34.9397, 13.5872**, and the grayscale version is **47.8532, 50.3453, 54.8261**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **24.5678, 32.8267, 58.4674** is the 20% darker color. If you saturate the color by 10%, you get **46.1342, 60.2968, 103.8147**, and if you desaturate by 10%, it is **53.4803, 67.6805, 104.8527**.

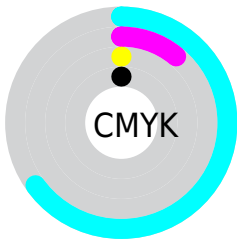
Distribution



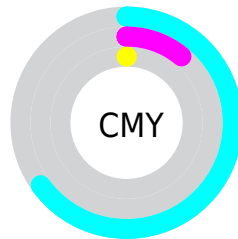
- Red (35%)
- Green (89%)
- Blue (100%)



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



- Cyan (65%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3662, 63.7366, 104.3083 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 49.3662, 63.7366, 104.3083 by changing the saturation by 10% instead.

49.3662, 63.7366,
104.3083

49.3662, 63.7366,
104.3083

374.6753,
438.2378, 595.2832

35.1258, 46.4374,
79.2666

88.4326, 110.2315,
169.1686

23.9268, 32.5911,
58.5924

113.9892,
140.1960, 209.8243

15.4037, 21.8134,
41.8672

144.0487,
175.1510, 256.5216

9.1914, 13.7198,
28.6726

178.9763,
215.4809, 309.6793

4.9243, 7.9261,
18.5898

219.1374,
261.5702, 369.7157

2.2372, 4.0477,
11.2005

264.8973,

0.7623, 1.7003,

313.8031, 437.0495

6.0860

316.6215,
372.5642, 512.0991

■ 0.0000, 0.4238,
2.8278

■ 0.0000, 0.0000,
1.0074

■ 49.3662, 63.7366,
104.3083

■ 49.3662, 63.7366,
104.3083

■ 46.1342, 60.2968,
103.8147

■ 53.4803, 67.6805,
104.8527

■ 43.6868, 57.3066,
103.3665

■ 58.5501, 72.1628,
105.4506

■ 41.9126, 54.7093,
102.9587

■ 64.6473, 77.2222,
106.1058

■ 41.2089, 53.5379,
102.7696

■ 71.8353, 82.8916,
106.8213

■ 80.1721, 89.2014,
107.5998

■ 89.7115, 96.1796,
108.4440

95.0500, 100.0000,
108.9000

Harmonies

Analogous

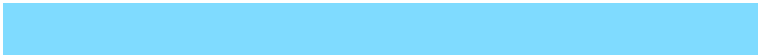
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2229, 63.7366, 78.8659



49.3662, 63.7366, 104.3083



55.6284, 63.7366, 122.4683

Triad

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



49.3662, 63.7366, 104.3083



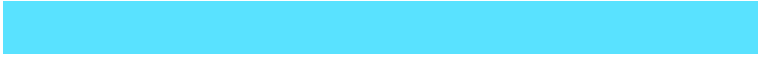
77.0309, 63.7366, 85.0291



57.4686, 63.7366, 33.5011

Complementary

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



49.3662, 63.7366, 104.3083



49.5227, 34.9397, 13.5872

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.



65.8165, 63.7366, 34.4192



49.3662, 63.7366, 104.3083



77.6384, 63.7366, 60.7205

Square

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



49.3662, 63.7366, 104.3083



71.7834, 63.7366, 109.6991



73.3744, 63.7366, 43.3018



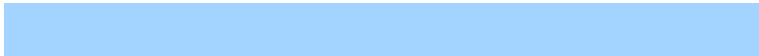
50.6070, 63.7366, 40.4186

Rectangle

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



49.3662, 63.7366, 104.3083



60.9775, 63.7366, 125.9640



73.3744, 63.7366, 43.3018



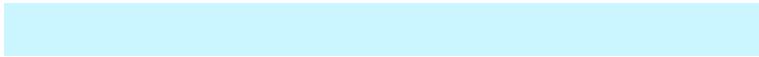
60.1837, 63.7366, 32.9547

Sweetspot

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



49.3680, 63.7389, 104.3086



75.9353, 86.0242, 107.2099



43.0725, 74.9210, 28.9205



15.7611, 18.0383, 22.9010



0.0000, 0.0000, 0.0000



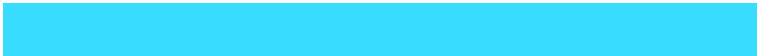
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3680, 63.7389, 104.3086



45.3465, 59.3837, 103.6799



32.1955, 29.3939, 98.5844



18.2690, 19.9097, 23.1300



21.6312, 28.1720, 53.7322



2.1739, 2.8784, 5.2543

Inverse Universe

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



58.5411, 33.8975, 75.4113



55.6110, 29.2789, 70.6073



63.6215, 63.1372, 18.2868



18.6484, 18.2427, 22.0318



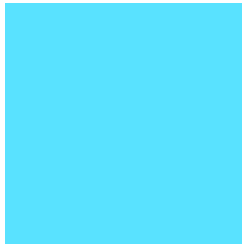
27.7066, 13.5720, 33.4353



2.7319, 1.3351, 3.4355

Previews

White Background



This preview shows how the XYZ color 49.3662, 63.7366, 104.3083 looks on a white background.

Color Contrast Check

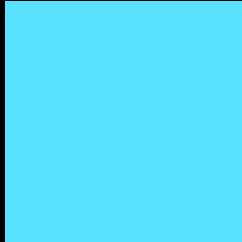
Large Text (above 18pt) WCAG AA × Fail

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 49.3662, 63.7366, 104.3083 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 49.3662, 63.7366, 104.3083

Background



This preview shows how black text looks on a background with the XYZ color 49.3662, 63.7366, 104.3083.

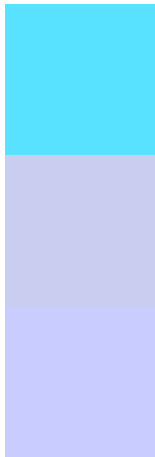


This preview shows how white text looks on a background with the XYZ color 49.3662, 63.7366,

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

49.3662, 63.7366, 104.3083

Protanopia

62.0359, 62.9110, 92.0925

Deuteranopia

63.7303, 62.8232, 103.3749



Tritanopia

47.7598, 63.4768, 96.9238

Trichromacy



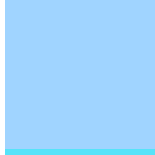
Original Color

49.3662, 63.7366, 104.3083



Protanomaly

54.9260, 61.7159, 96.2062



Deuteranomaly

56.0907, 61.7805, 103.5763



Tritanomaly

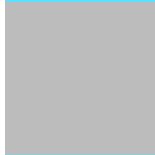
48.4057, 63.7562, 99.3775

Monochromacy



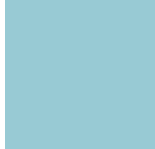
Original Color

49.3662, 63.7366, 104.3083



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.9531, 53.6699, 70.2247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3662, 63.7366, 104.3083 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(89, 226, 255)` looks like.

```
.text, #text, p{  
  color:rgb(89, 226, 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(89, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3662, 63.7366, 104.3083 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(89, 226, 255) }
```


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

```
.border{ border-color:rgb(89, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3662, 63.7366, 104.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 226, 255) }
```

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

```
.background{ background-color: rgb(89, 226,  
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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