

Converting Colors

XYZ(45.4468, 59.3362,
103.6655)

Have a look what the booklet for
XYZ(45.4468, 59.3362, 103.6655)
contains.

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Color

**XYZ(45.4468, 59.3362,
103.6655)**

Conversions

Conversions Part 1

Format	Color
Hex	3BDCFF
RGB	59, 220, 255
RGB Percent	23%, 86%, 100%
CMY	0.7686, 0.1372, 0.0000
CMYK	0.77, 0.14, 0.00, 0.00
HSL	191°, 100%, 62%
HSV	191°, 77%, 100%
XYZ	45.4468, 59.3362, 103.6655
YIQ	175.8510, -107.1910, -23.2470

Conversions

Conversions Part 2

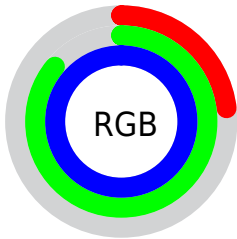
Format	Color
R _{YB}	59, 147, 255
Decimal	3923199
CIE _{Lab}	81.48, -29.17, -28.69
CIE _{LCh}	81, 40.917, 224.524
Yxy	59.3362, 0.2180, 0.2847
Android (android.graphics.Color)	4282113279 (0xFF3BDCFF)
YUV	175.8510, 39.0205, -102.4783
Hunter-Lab	77.0300, -29.4896, -25.8704

Details

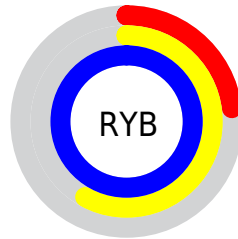
The XYZ color **45.4468, 59.3362, 103.6655** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.0336, 29.5835, 7.4237**, and the grayscale version is **41.0354, 43.1725, 47.0148**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **23.6482, 30.9875, 58.1609** is the 20% darker color. If you saturate the color by 10%, you get **43.1089, 56.3820, 103.2185**, and if you desaturate by 10%, it is **48.5579, 62.7396, 104.1584**.

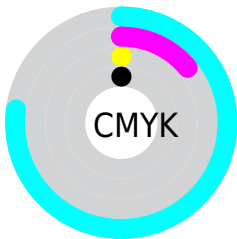
Distribution



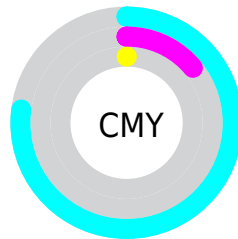
- Red (23%)
- Green (86%)
- Blue (100%)



- Red (23%)
- Yellow (58%)
- Blue (100%)



- Cyan (77%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4468, 59.3362, 103.6655 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 45.4468, 59.3362, 103.6655 by changing the saturation by 10% instead.

45.4468, 59.3362,
103.6655

45.4468, 59.3362,
103.6655

359.3334,
422.1467, 593.2285

32.0123, 42.8838,
78.7314

82.6234, 103.8661,
168.2810

21.5265, 29.7940,
58.1550

107.0962,
132.7125, 208.7995

13.6240, 19.6823,
41.5177

135.9792,
166.4589, 255.3498

7.9396, 12.1643,
28.4011

169.6376,
205.4899, 308.3506

4.1078, 6.8557,
18.3866

208.4369,
250.1898, 368.2203

1.7633, 3.3720,
11.0556

252.7424,

0.4954, 1.3289,

300.9429, 435.3775

5.9896

302.9195,
358.1338, 510.2407

■ 0.0000, 0.1634,
2.7701

■ 0.0000, 0.0000,
0.9785

■ 45.4468, 59.3362,
103.6655

■ 45.4468, 59.3362,
103.6655

■ 43.1089, 56.3820,
103.2185

■ 48.5579, 62.7396,
104.1584

■ 41.4188, 53.8086,
102.8108

■ 52.5321, 66.6355,
104.7010

■ 40.9646, 53.0493,
102.6882

■ 57.4519, 71.0680,
105.2972

■ 63.3888, 76.0742,
105.9506

■ 70.4071, 81.6877,
106.6642

■ 78.5657, 87.9393,
107.4409

■ 87.9193, 94.8574,
108.2832

■ 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.



41.9035, 59.3362, 77.1780



45.4468, 59.3362, 103.6655



52.1139, 59.3362, 121.5889

Triad

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



45.4468, 59.3362, 103.6655



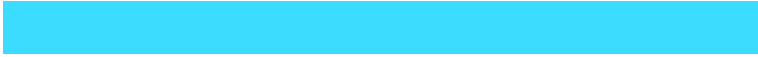
73.8134, 59.3362, 78.0345



52.3654, 59.3362, 28.8472

Complementary

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



45.4468, 59.3362, 103.6655



46.0336, 29.5835, 7.4237

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.



60.9092, 59.3362, 28.9660



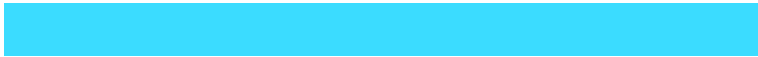
45.4468, 59.3362, 103.6655



73.8983, 59.3362, 53.4811

Square

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



45.4468, 59.3362, 103.6655



68.7577, 59.3362, 104.4278



68.9790, 59.3362, 36.8460



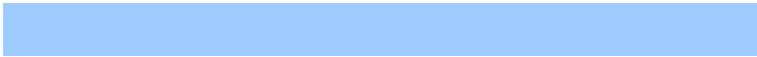
45.6148, 59.3362, 36.4657

Rectangle

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



45.4468, 59.3362, 103.6655



57.7068, 59.3362, 123.9886



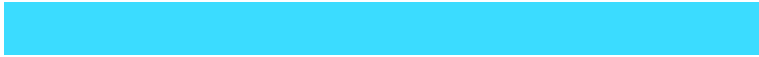
68.9790, 59.3362, 36.8460



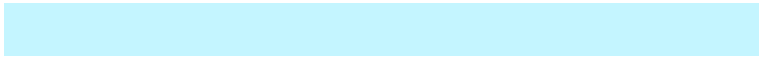
55.1077, 59.3362, 28.0594

Sweetspot

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



45.4485, 59.3382, 103.6658



73.4156, 84.0217, 106.9561



39.4823, 73.2174, 22.1033



15.1097, 17.5156, 22.8344



0.0000, 0.0000, 0.0000



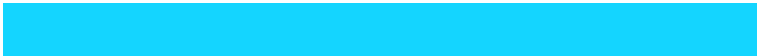
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4485, 59.3382, 103.6658



42.1680, 55.0156, 103.0043



27.1053, 22.6518, 97.5514



18.2627, 19.8971, 23.1279



21.5052, 27.9199, 53.6902



2.1627, 2.8561, 5.2506

Inverse Universe

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



55.7234, 29.5569, 70.4803



53.5212, 26.5841, 65.3327



60.3722, 58.2608, 12.2032



18.6453, 18.2414, 22.0151



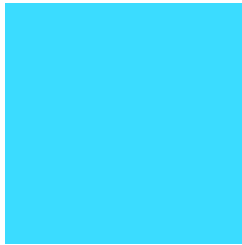
27.6430, 13.5465, 33.1002



2.7262, 1.3329, 3.4058

Previews

White Background



This preview shows how the XYZ color 45.4468, 59.3362, 103.6655 looks on a white background.

Color Contrast Check

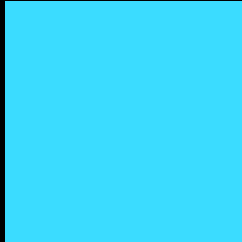
Large Text (above 18pt) WCAG AA × Fail

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 45.4468, 59.3362, 103.6655 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 45.4468, 59.3362, 103.6655

Background



This preview shows how black text looks on a background with the XYZ color 45.4468, 59.3362, 103.6655.

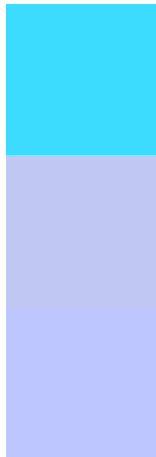


This preview shows how white text looks on a background with the XYZ color 45.4468, 59.3362,

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

45.4468, 59.3362, 103.6655

Protanopia

57.8898, 58.3446, 90.6486

Deuteranopia

59.4793, 58.5553, 102.7752



Tritanopia

43.0806, 59.1513, 92.3658

Trichromacy



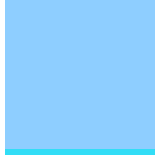
Original Color

45.4468, 59.3362, 103.6655



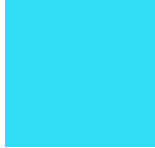
Protanomaly

50.2959, 57.1475, 94.7659



Deuteranomaly

51.2766, 57.1134, 102.9292



Tritanomaly

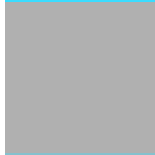
43.8064, 59.0448, 96.2767

Monochromacy



Original Color

45.4468, 59.3362, 103.6655



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.5419, 47.0936, 64.7635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4468, 59.3362, 103.6655 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(59, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.4468, 59.3362, 103.6655 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(59, 220, 255) }
```


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

```
.border{ border-color:rgb(59, 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(59, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4468, 59.3362, 103.6655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 220, 255) }
```

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

```
.background{ background-color: rgb(59, 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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