

Converting Colors

XYZ(53.1354, 65.6346,
120.9617)

Have a look what the booklet for
XYZ(53.1354, 65.6346, 120.9617)
contains.

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Color

**XYZ(50.0333, 64.4853,
104.4176)**

Conversions

Conversions Part 1

Format	Color
Hex	5DE3FF
RGB	93, 227, 255
RGB Percent	36%, 89%, 100%
CMY	0.6353, 0.1098, 0.0000
CMYK	0.64, 0.11, 0.00, 0.00
HSL	190°, 100%, 68%
HSV	190°, 64%, 100%
XYZ	50.0333, 64.4853, 104.4176
YIQ	190.1260, -88.8520, -19.7000

Conversions

Conversions Part 2

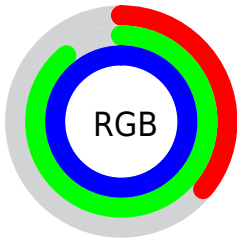
Format	Color
R _{YB}	93, 166, 255
Decimal	6153215
CIE _{Lab}	84.22, -28.26, -24.44
CIE _{LCh}	84, 37.359, 220.856
Y _{xy}	64.4853, 0.2285, 0.2945
Android (android.graphics.Color)	4284343295 (0xFF5DE3FF)
YUV	190.1260, 31.9829, -85.1795
Hunter-Lab	80.3027, -29.3139, -20.8828

Details

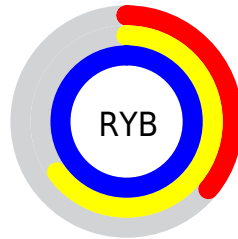
The XYZ color **50.0333, 64.4853, 104.4176** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.0543, 35.7267, 14.6159**, and the grayscale version is **48.8766, 51.4220, 55.9985**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **46.6797, 60.9911, 103.9199**, and if you desaturate by 10%, it is **54.2815, 68.4892, 104.9665**.

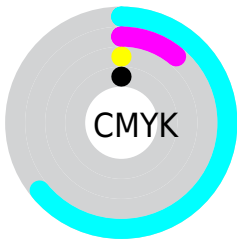
Distribution



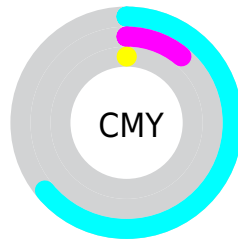
- Red (36%)
- Green (89%)
- Blue (100%)



- Red (36%)
- Yellow (65%)
- Blue (100%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0333, 64.4853, 104.4176 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 50.0333, 64.4853, 104.4176 by changing the saturation by 10% instead.

50.0333, 64.4853,
104.4176

50.0333, 64.4853,
104.4176

377.2460,
440.9401, 595.6322

35.6578, 47.0438,
79.3576

89.4157, 111.3096,
169.3195

24.3389, 33.0703,
58.6668

115.1534,
141.4611, 209.9984

15.7113, 22.1803,
41.9267

145.4090,
176.6182, 256.7207

9.4096, 13.9895,
28.7188

180.5482,
217.1652, 309.9050

5.0686, 8.1133,
18.6244

220.9360,
263.4865, 369.9697

2.3227, 4.1676,
11.2252

266.9381,

0.8063, 1.7677,

315.9665, 437.3335

6.1024

318.9196,
374.9895, 512.4148

■ 0.0000, 0.4669,
2.8377

■ 0.0000, 0.0000,
1.0124

■ 50.0333, 64.4853,
104.4176

■ 50.0333, 64.4853,
104.4176

■ 46.6797, 60.9911,
103.9199

■ 54.2815, 68.4892,
104.9665

■ 44.1257, 57.9533,
103.4682

■ 59.4962, 73.0360,
105.5693

■ 42.2639, 55.3174,
103.0575

■ 65.7480, 78.1640,
106.2296

■ 41.3265, 53.7730,
102.8088

■ 73.0993, 83.9056,
106.9504

■ 81.6074, 90.2907,
107.7344

■ 91.3257, 97.3471,
108.5842

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.



46.9628, 64.4853, 79.1449



50.0333, 64.4853, 104.4176



56.2228, 64.4853, 122.6231

Triad

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



50.0333, 64.4853, 104.4176



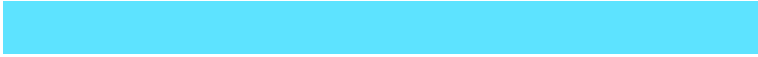
77.5747, 64.4853, 86.2330



58.3449, 64.4853, 34.3114

Complementary

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



50.0333, 64.4853, 104.4176



50.0543, 35.7267, 14.6159

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.



66.6557, 64.4853, 35.3792



50.0333, 64.4853, 104.4176



78.2728, 64.4853, 61.9807

Square

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



50.0333, 64.4853, 104.4176



72.2934, 64.4853, 110.5999



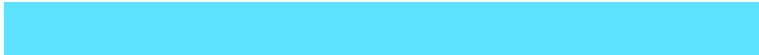
74.1229, 64.4853, 44.4366



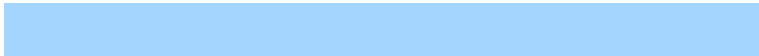
51.4663, 64.4853, 41.0932

Rectangle

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



50.0333, 64.4853, 104.4176



61.5292, 64.4853, 126.3046



74.1229, 64.4853, 44.4366



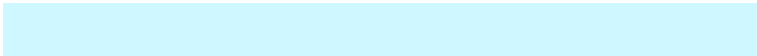
61.0541, 64.4853, 33.8114

Sweetspot

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



50.0351, 64.4876, 104.4180



76.8032, 86.7139, 107.2972



43.6658, 75.2039, 29.9862



15.9320, 18.1771, 22.9188



0.0000, 0.0000, 0.0000



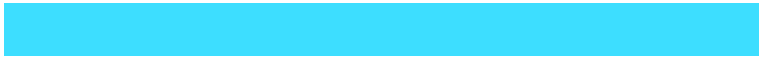
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0351, 64.4876, 104.4180



45.9770, 60.1988, 103.8040



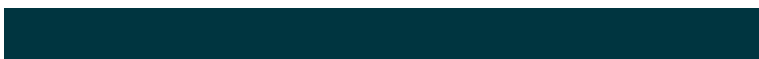
32.9999, 30.4170, 98.7395



18.2720, 19.9157, 23.1310



21.6919, 28.2934, 53.7525



2.1792, 2.8892, 5.2561

Inverse Universe

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



59.0208, 34.6366, 76.2502



56.0381, 29.8663, 71.5716



64.1036, 63.8252, 19.2990



18.6500, 18.2433, 22.0398



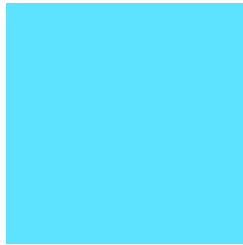
27.7373, 13.5842, 33.5965



2.7346, 1.3362, 3.4497

Previews

White Background



This preview shows how the XYZ color 50.0333, 64.4853, 104.4176 looks on a white background.

Color Contrast Check

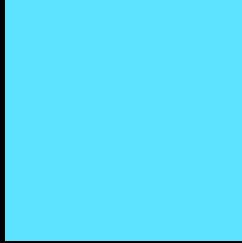
Large Text (above 18pt) WCAG AA × Fail

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 50.0333, 64.4853, 104.4176 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 50.0333, 64.4853, 104.4176

Background



This preview shows how black text looks on a background with the XYZ color 50.0333, 64.4853, 104.4176.

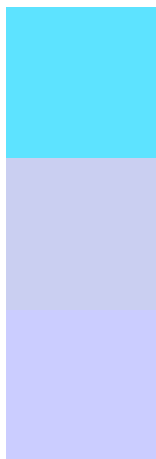


This preview shows how white text looks on a background with the XYZ color 50.0333, 64.4853,

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

50.0333, 64.4853, 104.4176

Protanopia

62.5471, 63.5331, 92.1856

Deuteranopia

64.5099, 63.5792, 103.4797



Tritanopia

48.6517, 64.3261, 97.8476

Trichromacy



Original Color

50.0333, 64.4853, 104.4176



Protanomaly

55.5814, 62.4283, 96.3092



Deuteranomaly

56.9485, 62.5950, 103.6883



Tritanomaly

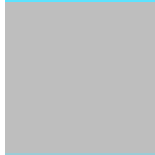
49.2152, 64.5626, 100.3104

Monochromacy



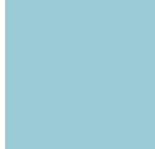
Original Color

50.0333, 64.4853, 104.4176



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.0111, 54.5355, 71.6670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0333, 64.4853, 104.4176 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(93, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 227, 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(93, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0333, 64.4853, 104.4176 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(93, 227, 255) }
```


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

```
.border{ border-color:rgb(93, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0333, 64.4853, 104.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 227, 255) }
```

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

```
.background{ background-color: rgb(93, 227,  
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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