

Converting Colors

XYZ(51.0493, 65.9890,
104.6543)

Have a look what the booklet for
XYZ(51.0493, 65.9890, 104.6543)
contains.

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Color

**XYZ(50.8932, 65.7454,
104.6155)**

Conversions

Conversions Part 1

Format	Color
Hex	60E5FF
RGB	96, 229, 255
RGB Percent	38%, 90%, 100%
CMY	0.6235, 0.1019, 0.0000
CMYK	0.62, 0.10, 0.00, 0.00
HSL	190°, 100%, 69%
HSV	190°, 62%, 100%
XYZ	50.8932, 65.7454, 104.6155
YIQ	192.1970, -87.6140, -20.1100

Conversions

Conversions Part 2

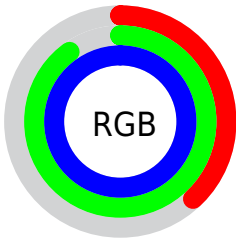
Format	Color
R _{YB}	96, 168, 255
Decimal	6350335
CIE Lab	84.87, -28.75, -23.44
CIE LCh	85, 37.099, 219.194
Yxy	65.7454, 0.2300, 0.2971
Android (android.graphics.Color)	4284540415 (0xFF60E5FF)
YUV	192.1970, 30.9619, -84.3648
Hunter-Lab	81.0835, -29.8582, -19.7386

Details

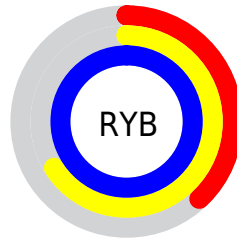
The XYZ color **50.8932, 65.7454, 104.6155** is a light color, and the websafe version is hex **00CCFF**. A complement of this color would be **50.3120, 36.0252, 15.3703**, and the grayscale version is **50.0817, 52.6898, 57.3792**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **25.1366, 33.9644, 58.6570** is the 20% darker color. If you saturate the color by 10%, you get **47.4930, 62.3017, 104.1300**, and if you desaturate by 10%, it is **55.1946, 69.6976, 105.1517**.

Distribution



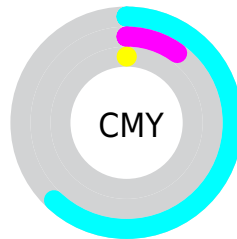
- Red (38%)
- Green (90%)
- Blue (100%)



- Red (38%)
- Yellow (66%)
- Blue (100%)



- Cyan (62%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8932, 65.7454, 104.6155 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 50.8932, 65.7454, 104.6155 by changing the saturation by 10% instead.

50.8932, 65.7454,
104.6155

50.8932, 65.7454,
104.6155

380.5432,
445.4658, 596.2638

36.3443, 48.0658,
79.5224

90.6808, 113.1208,
169.5926

24.8716, 33.8790,
58.8016

116.6503,
143.5854, 210.3137

16.1096, 22.8006,
42.0344

147.1573,
179.0804, 257.0812

9.6931, 14.4464,
28.8025

182.5672,
219.9903, 310.3136

5.2566, 8.4318,
18.6872

223.2454,
266.6993, 370.4296

2.4349, 4.3724,
11.2699

269.5572,

0.8626, 1.8840,

319.5920, 437.8476

6.1323

321.8680,
379.0527, 512.9861

■ 0.0000, 0.5387,
2.8556

■ 0.0000, 0.0000,
1.0214

■ 50.8932, 65.7454,
104.6155

■ 50.8932, 65.7454,
104.6155

■ 47.4930, 62.3017,
104.1300

■ 55.1946, 69.6976,
105.1517

■ 44.9005, 59.3139,
103.6900

■ 60.4677, 74.1907,
105.7410

■ 43.0114, 56.7293,
103.2906

■ 66.7822, 79.2624,
106.3871

■ 41.9210, 54.9620,
103.0070

■ 74.2000, 84.9449,
107.0930

■ 82.7778, 91.2676,
107.8613

■ 92.5685, 98.2580,
108.6946

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

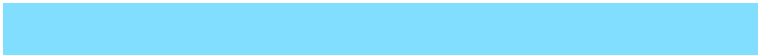
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9906, 65.7454, 79.1577



50.8932, 65.7454, 104.6155



56.9774, 65.7454, 123.5191

Triad

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



50.8932, 65.7454, 104.6155



78.6670, 65.7454, 89.1231



59.9678, 65.7454, 35.2160

Complementary

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



50.8932, 65.7454, 104.6155



50.3120, 36.0252, 15.3703

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.



68.3451, 65.7454, 36.7322



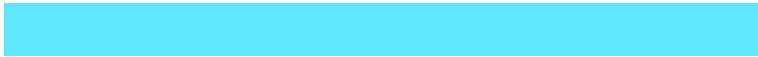
50.8932, 65.7454, 104.6155



79.6477, 65.7454, 64.5124

Square

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



50.8932, 65.7454, 104.6155



73.1530, 65.7454, 113.2852



75.7246, 65.7454, 46.3616



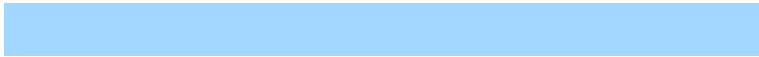
52.9153, 65.7454, 41.6264

Rectangle

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



50.8932, 65.7454, 104.6155



62.2642, 65.7454, 127.8604



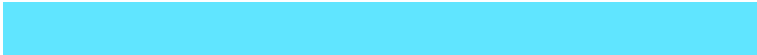
75.7246, 65.7454, 46.3616



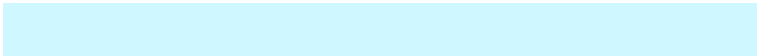
62.7144, 65.7454, 34.8533

Sweetspot

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



50.8951, 65.7477, 104.6159



76.9412, 86.9899, 107.3432



43.9664, 75.3599, 29.9527



15.9658, 18.2446, 22.9300



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.



50.8951, 65.7477, 104.6159



46.7309, 61.4672, 104.0091



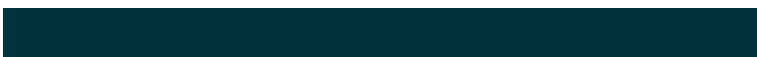
34.0473, 32.0522, 99.0000



18.2871, 19.9459, 23.1361



21.9986, 28.9068, 53.8547



2.2063, 2.9434, 5.2651

Inverse Universe

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



59.5670, 35.2847, 77.8023



56.4771, 30.2658, 73.1934



63.8565, 63.1143, 19.8852



18.6576, 18.2463, 22.0799



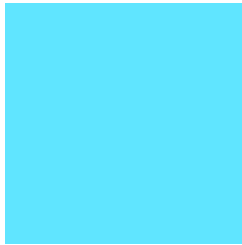
27.8921, 13.6461, 34.4118



2.7483, 1.3417, 3.5218

Previews

White Background



This preview shows how the XYZ color 50.8932, 65.7454, 104.6155 looks on a white background.

Color Contrast Check

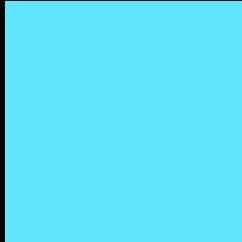
Large Text (above 18pt) WCAG AA × Fail

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 50.8932, 65.7454, 104.6155 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 50.8932, 65.7454, 104.6155

Background



This preview shows how black text looks on a background with the XYZ color 50.8932, 65.7454, 104.6155.

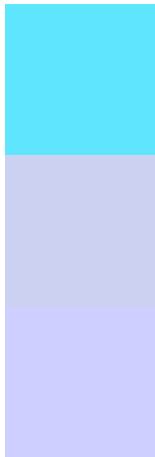


This preview shows how white text looks on a background with the XYZ color 50.8932, 65.7454,

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

50.8932, 65.7454, 104.6155

Protanopia

63.8545, 64.9309, 92.3865

Deuteranopia

65.8164, 64.9675, 103.6788



Tritanopia

49.9099, 65.7603, 99.6850

Trichromacy



Original Color

50.8932, 65.7454, 104.6155



Protanomaly

56.7075, 63.7649, 96.5078



Deuteranomaly

58.0763, 63.9279, 103.8861



Tritanomaly

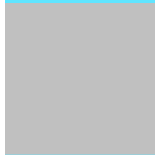
50.3255, 65.9383, 101.3417

Monochromacy



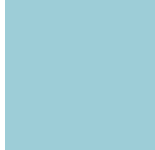
Original Color

50.8932, 65.7454, 104.6155



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.0017, 55.7370, 72.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8932, 65.7454, 104.6155 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(96, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 229, 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(96, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.8932, 65.7454, 104.6155 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(96, 229, 255) }
```


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

```
.border{ border-color:rgb(96, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8932, 65.7454, 104.6155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 229, 255) }
```

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

```
.background{ background-color: rgb(96, 229,  
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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