

Converting Colors

XYZ(51.8068, 65.5610,
128.2722)

Have a look what the booklet for
XYZ(51.8068, 65.5610, 128.2722)
contains.

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Color

**XYZ(47.3847, 63.9367,
104.4513)**

Conversions

Conversions Part 1

Format	Color
Hex	32E5FF
RGB	50, 229, 255
RGB Percent	20%, 90%, 100%
CMY	0.8038, 0.1019, 0.0000
CMYK	0.80, 0.10, 0.00, 0.00
HSL	188°, 100%, 60%
HSV	188°, 80%, 100%
XYZ	47.3847, 63.9367, 104.4513
YIQ	178.4430, -115.0300, -29.8620

Conversions

Conversions Part 2

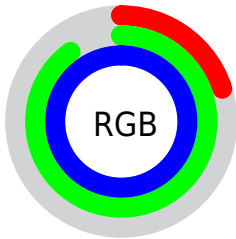
Format	Color
R _{YB}	50, 146, 255
Decimal	3335679
CIE _{Lab}	83.93, -34.28, -24.95
CIE _{LCh}	84, 42.400, 216.048
Y _{xy}	63.9367, 0.2196, 0.2963
Android (android.graphics.Color)	4281525759 (0xFF32E5FF)
YUV	178.4430, 37.7426, -112.6445
Hunter-Lab	79.9604, -34.1513, -21.4775

Details

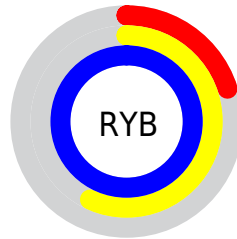
The XYZ color **47.3847, 63.9367, 104.4513** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.4017, 26.6616, 5.8258**, and the grayscale version is **42.4051, 44.6135, 48.5841**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **25.1366, 33.9644, 58.6570** is the 20% darker color. If you saturate the color by 10%, you get **45.5727, 61.6878, 104.1127**, and if you desaturate by 10%, it is **49.9159, 66.5837, 104.8288**.

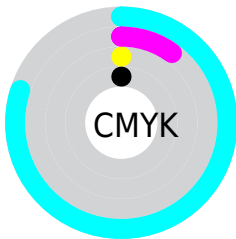
Distribution



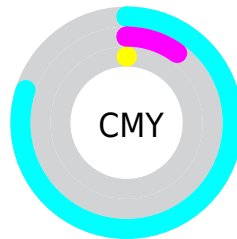
- Red (20%)
- Green (90%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3847, 63.9367, 104.4513 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 47.3847, 63.9367, 104.4513 by changing the saturation by 10% instead.

47.3847, 63.9367,
104.4513

47.3847, 63.9367,
104.4513

366.9713,
438.9610, 595.7398

33.5491, 46.5994,
79.3857

85.5028, 110.5198,
169.3660

22.7087, 32.7191,
58.6898

110.5161,
140.5343, 210.0521

14.4980, 21.9113,
41.9451

139.9859,
175.5434, 256.7821

8.5519, 13.7918,
28.7330

174.2777,
215.9315, 309.9746

4.5048, 7.9760,
18.6351

213.7567,
262.0829, 370.0481

1.9915, 4.0796,
11.2328

258.7885,

0.6292, 1.7182,

314.3820, 437.4210

6.1075

309.7382,
373.2133, 512.5121

■ 0.0000, 0.4354,
2.8407

■ 0.0000, 0.0000,
1.0139

■ 47.3847, 63.9367,
104.4513

■ 47.3847, 63.9367,
104.4513

■ 45.5727, 61.6878,
104.1127

■ 49.9159, 66.5837,
104.8288

■ 44.3467, 59.8135,
103.8156

■ 53.2624, 69.6747,
105.2491

■ 57.5113, 73.2558,
105.7164

■ 62.7366, 77.3655,
106.2342

■ 69.0050, 82.0381,
106.8057

■ 76.3768, 87.3049,
107.4338

■ 84.9080, 93.1950,
108.1210

■ 94.6506, 99.7352,
108.8699

■ 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.



44.6142, 63.9367, 75.1731



47.3847, 63.9367, 104.4513



53.7719, 63.9367, 127.9399

Triad

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



47.3847, 63.9367, 104.4513



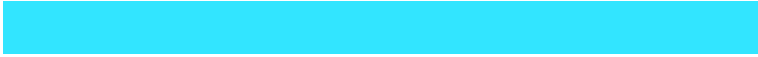
78.6896, 63.9367, 92.6345



58.8986, 63.9367, 29.9945

Complementary

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



47.3847, 63.9367, 104.4513



44.4017, 26.6616, 5.8258

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.



68.3502, 63.9367, 32.4185



47.3847, 63.9367, 104.4513



80.4194, 63.9367, 64.3402

Square

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



47.3847, 63.9367, 104.4513



71.9538, 63.9367, 119.9859



76.4646, 63.9367, 43.5405



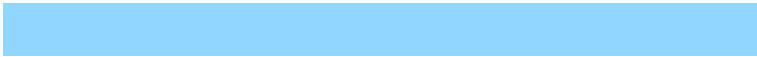
50.8095, 63.9367, 35.7820

Rectangle

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



47.3847, 63.9367, 104.4513



59.5415, 63.9367, 134.5060



76.4646, 63.9367, 43.5405



62.0151, 63.9367, 29.9011

Sweetspot

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



47.3865, 63.9389, 104.4517



73.5805, 85.3302, 107.2000



38.3102, 72.6921, 18.4787



15.1906, 17.8644, 22.8975



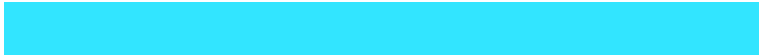
0.0000, 0.0000, 0.0000



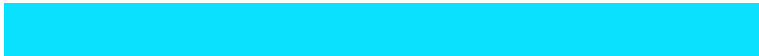
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3865, 63.9389, 104.4517



44.8207, 60.5718, 103.9370



27.1634, 23.4927, 97.7106



18.3467, 20.0651, 23.1559



23.2492, 31.4080, 54.2716



2.3163, 3.1633, 5.3018

Inverse Universe

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



56.5247, 29.2002, 76.7880



54.7989, 26.8607, 72.7839



57.4248, 52.7077, 10.1668



18.6877, 18.2584, 22.2384



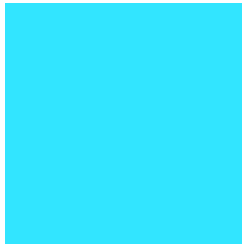
28.5233, 13.8986, 37.7359



2.8038, 1.3639, 3.8140

Previews

White Background



This preview shows how the XYZ color 47.3847, 63.9367, 104.4513 looks on a white background.

Color Contrast Check

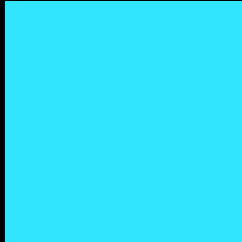
Large Text (above 18pt) WCAG AA × Fail

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 47.3847, 63.9367, 104.4513 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 47.3847, 63.9367, 104.4513

Background



This preview shows how black text looks on a background with the XYZ color 47.3847, 63.9367, 104.4513.

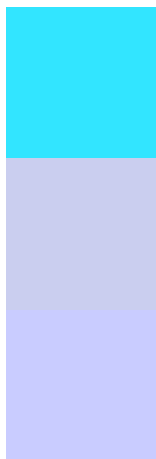


This preview shows how white text looks on a background with the XYZ color 47.3847, 63.9367,

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

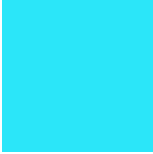
47.3847, 63.9367, 104.4513

Protanopia

62.0084, 62.9312, 90.5401

Deuteranopia

63.7303, 62.8232, 103.3749



Tritanopia

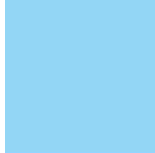
46.3920, 63.9468, 99.5204

Trichromacy



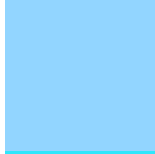
Original Color

47.3847, 63.9367, 104.4513



Protanomaly

52.5606, 60.8888, 95.3687



Deuteranomaly

53.6983, 60.9195, 103.5362



Tritanomaly

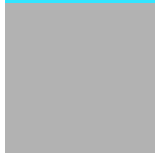
46.8361, 64.1395, 101.1784

Monochromacy



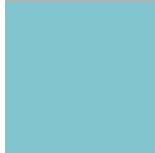
Original Color

47.3847, 63.9367, 104.4513



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.4669, 49.2140, 65.7589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3847, 63.9367, 104.4513 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(50, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3847, 63.9367, 104.4513 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(50, 229, 255) }
```


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

```
.border{ border-color:rgb(50, 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(50, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3847, 63.9367, 104.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 229, 255) }
```

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

```
.background{ background-color: rgb(50, 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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