

Converting Colors

XYZ(47.3099, 63.5169,
104.3742)

Have a look what the booklet for
XYZ(47.3099, 63.5169, 104.3742)
contains.

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Color

**XYZ(47.3147, 63.4911,
104.3690)**

Conversions

Conversions Part 1

Format	Color
Hex	36E4FF
RGB	54, 228, 255
RGB Percent	21%, 89%, 100%
CMY	0.7882, 0.1059, 0.0000
CMYK	0.79, 0.11, 0.00, 0.00
HSL	188°, 100%, 61%
HSV	188°, 79%, 100%
XYZ	47.3147, 63.4911, 104.3690
YIQ	179.0520, -112.3710, -28.4910

Conversions

Conversions Part 2

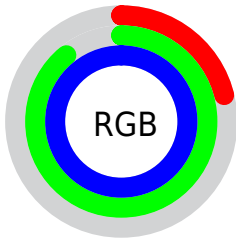
Format	Color
RYB	54, 147, 255
Decimal	3597567
CIELab	83.70, -33.47, -25.30
CIELCh	84, 41.959, 217.083
Yxy	63.4911, 0.2199, 0.2951
Android (android.graphics.Color)	4281787647 (0xFF36E4FF)
YUV	179.0520, 37.4424, -109.6706
Hunter-Lab	79.6813, -33.4491, -21.8829

Details

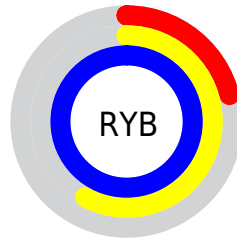
The XYZ color **47.3147, 63.4911, 104.3690** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.8497, 27.4134, 6.4195**, and the grayscale version is **42.7284, 44.9536, 48.9545**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **24.9456, 33.5823, 58.5933** is the 20% darker color. If you saturate the color by 10%, you get **45.3544, 61.0967, 104.0102**, and if you desaturate by 10%, it is **50.0136, 66.2965, 104.7683**.

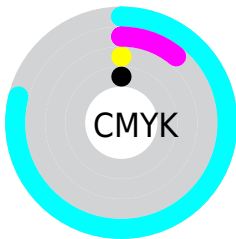
Distribution



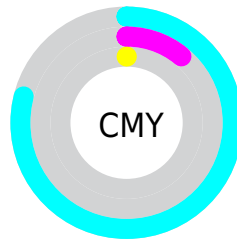
- Red (21%)
- Green (89%)
- Blue (100%)



- Red (21%)
- Yellow (58%)
- Blue (100%)



- Cyan (79%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3147, 63.4911, 104.3690 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 47.3147, 63.4911, 104.3690 by changing the saturation by 10% instead.

47.3147, 63.4911,
104.3690

47.3147, 63.4911,
104.3690

366.6973,
437.3496, 595.4770

33.4935, 46.2386,
79.3171

85.3991, 109.8777,
169.2524

22.6658, 32.4342,
58.6337

110.3929,
139.7806, 209.9210

14.4663, 21.6933,
41.9003

139.8417,
174.6692, 256.6322

8.5295, 13.6317,
28.6982

174.1108,
214.9277, 309.8046

4.4902, 7.8650,
18.6090

213.5656,
260.9406, 369.8568

1.9830, 4.0087,
11.2142

258.5713,

0.6244, 1.6784,

313.0923, 437.2072

6.0951

309.4934,
371.7671, 512.2744

■ 0.0000, 0.4096,
2.8333

■ 0.0000, 0.0000,
1.0101

■ 47.3147, 63.4911,
104.3690

■ 47.3147, 63.4911,
104.3690

■ 45.3544, 61.0967,
104.0102

■ 50.0136, 66.2965,
104.7683

■ 43.9846, 59.0331,
103.6840

■ 53.5441, 69.5572,
105.2116

■ 43.8398, 58.7997,
103.6466

■ 57.9912, 73.3184,
105.7032

■ 63.4277, 77.6179,
106.2465

■ 69.9190, 82.4895,
106.8447

■ 77.5250, 87.9642,
107.5005

■ 86.3008, 94.0706,
108.2166

■ 95.0500, 100.0000,
108.9000

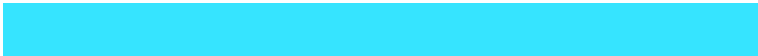
Harmonies

Analogous

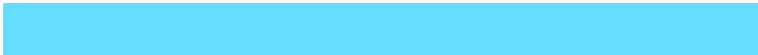
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4496, 63.4911, 75.5631



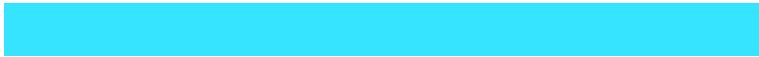
47.3147, 63.4911, 104.3690



53.7216, 63.4911, 127.0283

Triad

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



47.3147, 63.4911, 104.3690



78.1357, 63.4911, 90.7768



58.1929, 63.4911, 30.0801

Complementary

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



47.3147, 63.4911, 104.3690



44.8497, 27.4134, 6.4195

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.



67.4945, 63.4911, 32.2006



47.3147, 63.4911, 104.3690



79.6425, 63.4911, 63.0747

Square

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



47.3147, 63.4911, 104.3690



71.6446, 63.4911, 117.8917



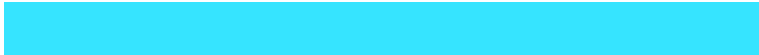
75.5749, 63.4911, 42.8785



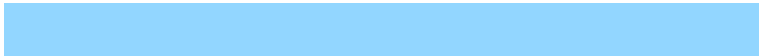
50.3032, 63.4911, 36.0991

Rectangle

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



47.3147, 63.4911, 104.3690



59.4513, 63.4911, 133.0160



75.5749, 63.4911, 42.8785



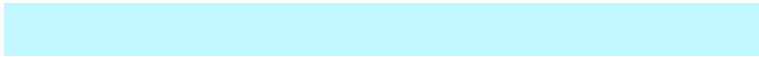
61.2504, 63.4911, 29.8963

Sweetspot

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



47.3165, 63.4933, 104.3693



73.4402, 85.0496, 107.1532



38.7605, 72.8960, 19.7756



15.1564, 17.7959, 22.8861



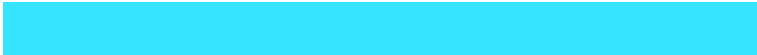
0.0000, 0.0000, 0.0000



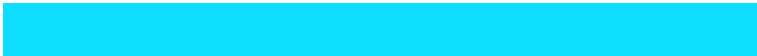
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3165, 63.4933, 104.3693



44.4560, 59.7910, 103.8055



27.2537, 23.3677, 97.6817



18.3345, 20.0407, 23.1519



22.9880, 30.8856, 54.1845



2.2934, 3.1175, 5.2941

Inverse Universe

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



56.5640, 29.5015, 76.1142



54.6273, 26.8401, 71.7325



58.4924, 54.6989, 10.9671



18.6815, 18.2559, 22.2059



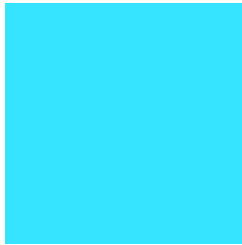
28.3915, 13.8459, 37.0416



2.7922, 1.3593, 3.7532

Previews

White Background



This preview shows how the XYZ color 47.3147, 63.4911, 104.3690 looks on a white background.

Color Contrast Check

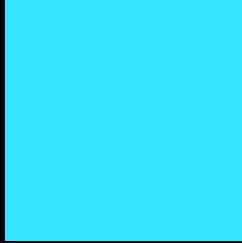
Large Text (above 18pt) WCAG AA × Fail

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 47.3147, 63.4911, 104.3690 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 47.3147, 63.4911, 104.3690

Background



This preview shows how black text looks on a background with the XYZ color 47.3147, 63.4911, 104.3690.

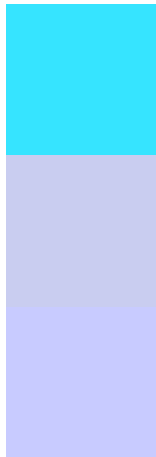


This preview shows how white text looks on a background with the XYZ color 47.3147, 63.4911,

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

47.3147, 63.4911, 104.3690

Protanopia

61.6469, 62.3714, 91.2278

Deuteranopia

63.2254, 62.2112, 103.2834



Tritanopia

46.1349, 63.4203, 98.6167

Trichromacy



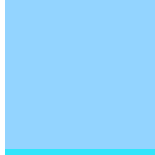
Original Color

47.3147, 63.4911, 104.3690



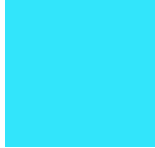
Protanomaly

52.4884, 60.4770, 95.2930



Deuteranomaly

53.6261, 60.5100, 103.4609



Tritanomaly

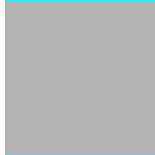
46.7473, 63.6818, 101.0948

Monochromacy



Original Color

47.3147, 63.4911, 104.3690



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

41.0603, 49.5058, 66.4230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3147, 63.4911, 104.3690 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(54, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 228, 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(54, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3147, 63.4911, 104.3690 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(54, 228, 255) }
```


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

```
.border{ border-color:rgb(54, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3147, 63.4911, 104.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 228, 255) }
```

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

```
.background{ background-color: rgb(54, 228,  
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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