

Converting Colors

XYZ(47.0204, 63.2300,
104.3341)

Have a look what the booklet for
XYZ(47.0204, 63.2300, 104.3341)
contains.

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Color

**XYZ(47.1088, 63.3849,
104.3594)**

Conversions

Conversions Part 1

Format	Color
Hex	32E4FF
RGB	50, 228, 255
RGB Percent	20%, 89%, 100%
CMY	0.8038, 0.1059, 0.0000
CMYK	0.80, 0.11, 0.00, 0.00
HSL	188°, 100%, 60%
HSV	188°, 80%, 100%
XYZ	47.1088, 63.3849, 104.3594
YIQ	177.8560, -114.7550, -29.3390

Conversions

Conversions Part 2

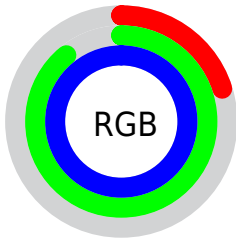
Format	Color
R _Y B	50, 145, 255
Decimal	3335423
CIE Lab	83.64, -33.81, -25.39
CIE LCh	84, 42.282, 216.906
Yxy	63.3849, 0.2193, 0.2950
Android (android.graphics.Color)	4281525503 (0xFF32E4FF)
YUV	177.8560, 38.0320, -112.1297
Hunter-Lab	79.6146, -33.7053, -21.9875

Details

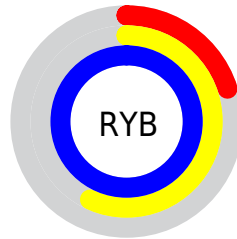
The XYZ color **47.1088, 63.3849, 104.3594** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.4712, 26.8005, 5.8489**, and the grayscale version is **42.0933, 44.2855, 48.2269**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **24.9456, 33.5823, 58.5933** is the 20% darker color. If you saturate the color by 10%, you get **45.2684, 61.0791, 104.0113**, and if you desaturate by 10%, it is **49.6697, 66.0913, 104.7468**.

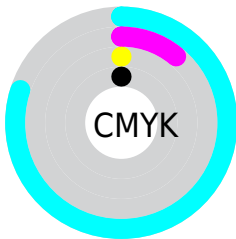
Distribution



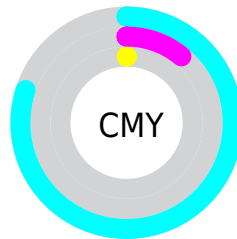
- Red (20%)
- Green (89%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1088, 63.3849, 104.3594 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 47.1088, 63.3849, 104.3594 by changing the saturation by 10% instead.

47.1088, 63.3849,
104.3594

47.1088, 63.3849,
104.3594

365.8903,
436.9650, 595.4464

33.3300, 46.1527,
79.3091

85.0938, 109.7246,
169.2391

22.5398, 32.3663,
58.6272

110.0306,
139.6009, 209.9057

14.3729, 21.6414,
41.8950

139.4175,
174.4606, 256.6147

8.4639, 13.5937,
28.6942

173.6198,
214.6882, 309.7848

4.4475, 7.8386,
18.6060

213.0029,
260.6680, 369.8345

1.9583, 3.9919,
11.2120

257.9321,

0.6104, 1.6690,

312.7845, 437.1823

6.0937

308.7728,
371.4221, 512.2467

■ 0.0000, 0.4035,
2.8324

■ 0.0000, 0.0000,
1.0097

■ 47.1088, 63.3849,
104.3594

■ 47.1088, 63.3849,
104.3594

■ 45.2684, 61.0791,
104.0113

■ 49.6697, 66.0913,
104.7468

■ 44.0162, 59.1525,
103.7054

■ 53.0472, 69.2443,
105.1773

■ 57.3284, 72.8900,
105.6554

■ 62.5873, 77.0669,
106.1844

■ 68.8905, 81.8093,
106.7676

■ 76.2986, 87.1487,
107.4078

■ 84.8674, 93.1140,
108.1075

■ 94.6489, 99.7321,
108.8694

■ 95.0500, 100.0000,
108.9000

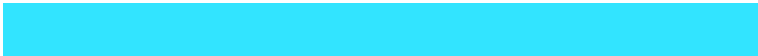
Harmonies

Analogous

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



44.2522, 63.3849, 75.3252



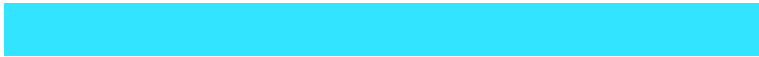
47.1088, 63.3849, 104.3594



53.5325, 63.3849, 127.2997

Triad

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



47.1088, 63.3849, 104.3594



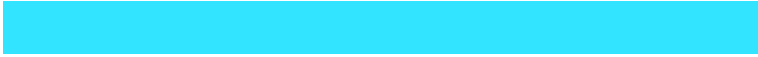
78.1387, 63.3849, 90.9942



58.1314, 63.3849, 29.7820

Complementary

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



47.1088, 63.3849, 104.3594



44.4712, 26.8005, 5.8489

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.



67.4974, 63.3849, 31.9535



47.1088, 63.3849, 104.3594



79.6912, 63.3849, 63.0681

Square

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



47.1088, 63.3849, 104.3594



71.5738, 63.3849, 118.3055



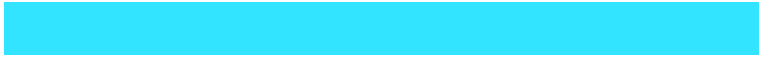
75.6220, 63.3849, 42.7157



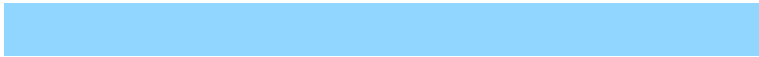
50.1803, 63.3849, 35.7623

Rectangle

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



47.1088, 63.3849, 104.3594



59.2901, 63.3849, 133.4255



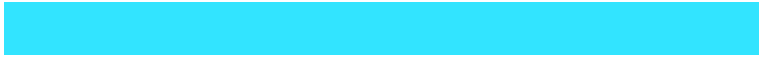
75.6220, 63.3849, 42.7157



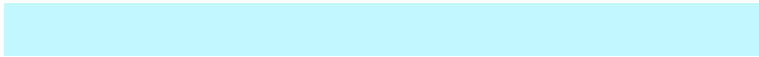
61.2110, 63.3849, 29.6136

Sweetspot

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



47.1106, 63.3871, 104.3597



73.4892, 85.1475, 107.1696



38.3101, 72.6921, 18.4787



15.1683, 17.8198, 22.8901



0.0000, 0.0000, 0.0000



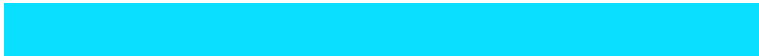
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1106, 63.3871, 104.3597



44.5009, 59.9323, 103.8304



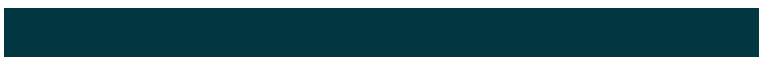
27.1634, 23.4927, 97.7106



18.3388, 20.0492, 23.1533



23.0789, 31.0674, 54.2148



2.3014, 3.1334, 5.2968

Inverse Universe

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



56.3854, 29.1445, 76.0546



54.6375, 26.7961, 71.9340



57.4248, 52.7077, 10.1668



18.6837, 18.2568, 22.2173



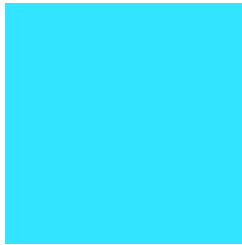
28.4374, 13.8642, 37.2832



2.7962, 1.3609, 3.7744

Previews

White Background



This preview shows how the XYZ color 47.1088, 63.3849, 104.3594 looks on a white background.

Color Contrast Check

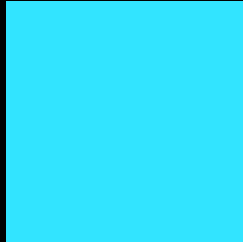
Large Text (above 18pt) WCAG AA × Fail

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 47.1088, 63.3849, 104.3594 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 47.1088, 63.3849, 104.3594

Background



This preview shows how black text looks on a background with the XYZ color 47.1088, 63.3849, 104.3594.

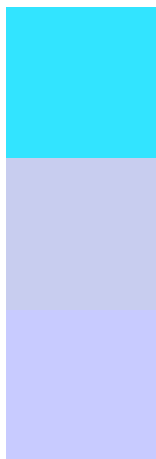


This preview shows how white text looks on a background with the XYZ color 47.1088, 63.3849,

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

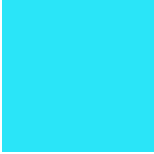
47.1088, 63.3849, 104.3594

Protanopia

61.2307, 62.1740, 90.4349

Deuteranopia

63.2254, 62.2112, 103.2834



Tritanopia

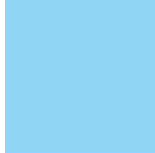
45.9174, 63.3082, 98.6065

Trichromacy



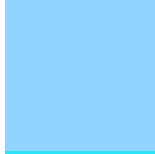
Original Color

47.1088, 63.3849, 104.3594



Protanomaly

51.9527, 60.2008, 95.2679



Deuteranomaly

53.2705, 60.3267, 103.4443



Tritanomaly

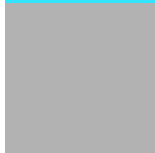
46.5141, 63.5615, 101.0838

Monochromacy



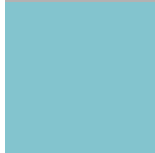
Original Color

47.1088, 63.3849, 104.3594



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.2406, 48.7614, 65.6835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1088, 63.3849, 104.3594 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.1088, 63.3849, 104.3594 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, 228, 255) }
```


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

```
.border{ border-color:rgb(50, 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(50, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1088, 63.3849, 104.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 228, 255) }
```

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

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