

Converting Colors

XYZ(54.9781, 69.8367,
136.2058)

Have a look what the booklet for
XYZ(54.9781, 69.8367, 136.2058)
contains.

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Color

**XYZ(48.9306, 67.2410,
105.0076)**

Conversions

Conversions Part 1

Format	Color
Hex	2FEBFF
RGB	47, 235, 255
RGB Percent	18%, 92%, 100%
CMY	0.8156, 0.0784, 0.0000
CMYK	0.82, 0.08, 0.00, 0.00
HSL	186°, 100%, 59%
HSV	186°, 82%, 100%
XYZ	48.9306, 67.2410, 105.0076
YIQ	181.0680, -118.4680, -33.6360

Conversions

Conversions Part 2

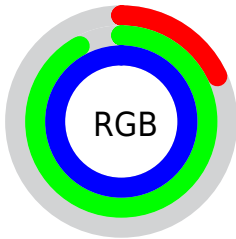
Format	Color
RYB	47, 146, 255
Decimal	3140607
CIELab	85.63, -37.31, -22.38
CIELCh	86, 43.510, 210.958
Yxy	67.2410, 0.2212, 0.3040
Android (android.graphics.Color)	4281330687 (0xFF2FEBFF)
YUV	181.0680, 36.4485, -117.5776
Hunter-Lab	82.0006, -36.9883, -18.5246

Details

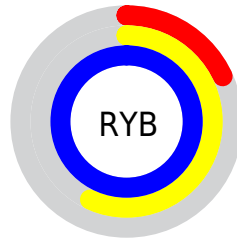
The XYZ color **48.9306, 67.2410, 105.0076** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.7616, 25.4817, 5.3034**, and the grayscale version is **43.8167, 46.0986, 50.2013**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **26.3131, 36.3174, 59.0492** is the 20% darker color. If you saturate the color by 10%, you get **47.3825, 65.4094, 104.7357**, and if you desaturate by 10%, it is **51.1775, 69.4500, 105.3156**.

Distribution



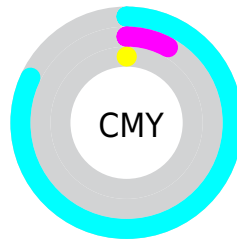
- Red (18%)
- Green (92%)
- Blue (100%)



- Red (18%)
- Yellow (57%)
- Blue (100%)



- Cyan (82%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (82%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9306, 67.2410, 105.0076 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 48.9306, 67.2410, 105.0076 by changing the saturation by 10% instead.


 48.9306, 67.2410,
105.0076


 48.9306, 67.2410,
105.0076


372.9905,
450.8021, 597.5142

 34.7787, 49.2805,
79.8490


 87.7897, 115.2657,
170.1336


 23.6582, 34.8420,
59.0687


 113.2277,
146.0986, 210.9381

 15.2036, 23.5412,
42.2480


 143.1584,
181.9912, 257.7950

 9.0497, 14.9937,
28.9685

 177.9472,
223.3278, 311.1228

 4.8310, 8.8149,
18.8117

217.9595,
270.4928, 371.3401

 2.1822, 4.6207,
11.3588

263.5605,

 0.7333, 2.0265,

323.8706, 438.8654

6.1915

315.1158,
383.8456, 514.1173

■ 0.0000, 0.6228,
2.8912

■ 0.0000, 0.0000,
1.0394

■ 48.9306, 67.2410,
105.0076

■ 48.9306, 67.2410,
105.0076

■ 47.3825, 65.4094,
104.7357

■ 51.1775, 69.4500,
105.3156

■ 46.4813, 64.0825,
104.5271

■ 54.2218, 72.0831,
105.6634

■ 58.1519, 75.1873,
106.0554

■ 63.0431, 78.8015,
106.4952

68.9626, 82.9605,
106.9860

75.9715, 87.6956,
107.5306

84.1262, 93.0361,
108.1316

93.4789, 99.0090,
108.7915

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.



46.6972, 67.2410, 74.1297



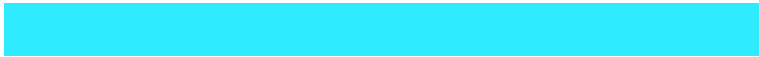
48.9306, 67.2410, 105.0076



55.1040, 67.2410, 131.9997

Triad

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



48.9306, 67.2410, 105.0076



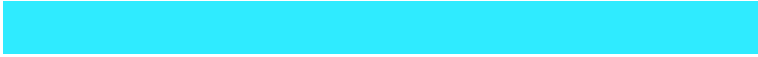
82.0483, 67.2410, 103.0117



63.5927, 67.2410, 31.0991

Complementary

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



48.9306, 67.2410, 105.0076



43.7616, 25.4817, 5.3034

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.



73.6087, 67.2410, 35.1328



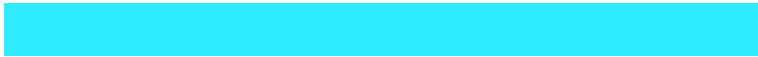
48.9306, 67.2410, 105.0076



84.9062, 67.2410, 72.3059

Square

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



48.9306, 67.2410, 105.0076



74.2163, 67.2410, 130.6535



81.6727, 67.2410, 48.5884



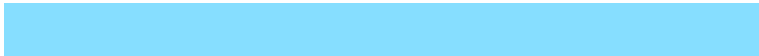
54.6059, 67.2410, 35.6947

Rectangle

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



48.9306, 67.2410, 105.0076



60.9640, 67.2410, 141.3678



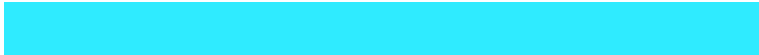
81.6727, 67.2410, 48.5884



66.9505, 67.2410, 31.4793

Sweetspot

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



48.9325, 67.2434, 105.0080



74.1583, 86.4859, 107.3926



37.8687, 72.4990, 16.9010



15.3319, 18.1470, 22.9446



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.



48.9325, 67.2434, 105.0080



46.6821, 64.3895, 104.5758



27.7039, 24.7862, 97.9318



18.3968, 20.1652, 23.1726



24.3486, 33.6068, 54.6380



2.4123, 3.3553, 5.3338

Inverse Universe

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



57.2532, 29.2930, 81.2363



55.7153, 27.1387, 77.8829



55.8193, 49.5970, 9.3226



18.7129, 18.2685, 22.3714



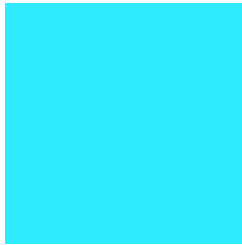
29.0782, 14.1206, 40.6581



2.8522, 1.3833, 4.0692

Previews

White Background



This preview shows how the XYZ color 48.9306, 67.2410, 105.0076 looks on a white background.

Color Contrast Check

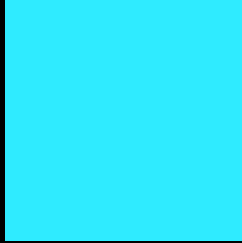
Large Text (above 18pt) WCAG AA × Fail

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 48.9306, 67.2410, 105.0076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

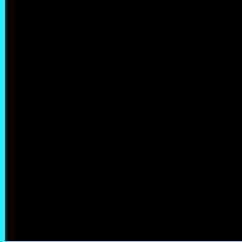
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9306, 67.2410, 105.0076

Background



This preview shows how black text looks on a background with the XYZ color 48.9306, 67.2410, 105.0076.

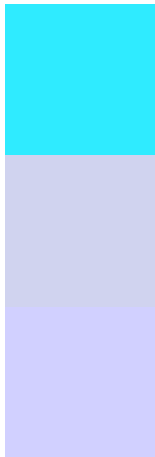


This preview shows how white text looks on a background with the XYZ color 48.9306, 67.2410,

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

48.9306, 67.2410, 105.0076

Protanopia

64.8867, 66.2304, 91.0252

Deuteranopia

66.9004, 65.8871, 103.7992



Tritanopia

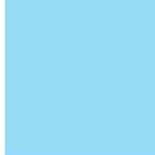
48.7244, 67.1533, 104.1598

Trichromacy



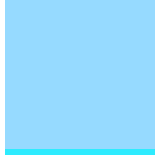
Original Color

48.9306, 67.2410, 105.0076



Protanomaly

54.4691, 64.1685, 95.9011



Deuteranomaly

55.6991, 63.8468, 103.9958



Tritanomaly

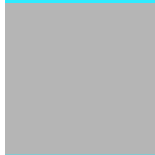
48.7244, 67.1533, 104.1598

Monochromacy



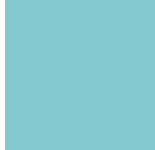
Original Color

48.9306, 67.2410, 105.0076



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.7875, 51.2329, 67.3610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9306, 67.2410, 105.0076 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(47, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 235, 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(47, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.9306, 67.2410, 105.0076 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(47, 235, 255) }
```


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

```
.border{ border-color:rgb(47, 235, 255) }
```

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

Here you see how a box with a 4 pixel rgb(47, 235, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9306, 67.2410, 105.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 235, 255) }
```

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

```
.background{ background-color: rgb(47, 235,  
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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