

Converting Colors

XYZ(49.1998, 67.7250,
104.0076)

Have a look what the booklet for
XYZ(49.1998, 67.7250, 104.0076)
contains.

XYZ(49.3010, 67.8767, 104.2690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3010, 67.8767,
104.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	34ECFE
RGB	52, 236, 254
RGB Percent	20%, 93%, 100%
CMY	0.7960, 0.0745, 0.0039
CMYK	0.80, 0.07, 0.00, 0.00
HSL	185°, 99%, 60%
HSV	185°, 80%, 100%
XYZ	49.3010, 67.8767, 104.2690
YIQ	183.0360, -115.4420, -33.4100

Conversions

Conversions Part 2

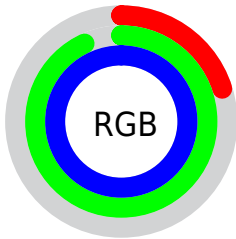
Format	Color
R _Y B	52, 148, 254
Decimal	3468542
CIE Lab	85.94, -37.68, -21.37
CIE LCh	86, 43.316, 209.557
Yxy	67.8767, 0.2226, 0.3065
Android (android.graphics.Color)	4281658622 (0xFF34ECFE)
YUV	183.0360, 34.9853, -114.9186
Hunter-Lab	82.3873, -37.3625, -17.3660

Details

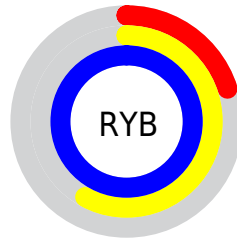
The XYZ color **49.3010, 67.8767, 104.2690** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.6850, 25.7016, 5.9094**, and the grayscale version is **44.8928, 47.2307, 51.4342**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **26.3993, 36.6737, 58.5107** is the 20% darker color. If you saturate the color by 10%, you get **47.6804, 66.0813, 104.0092**, and if you desaturate by 10%, it is **51.6363, 70.0555, 104.5678**.

Distribution



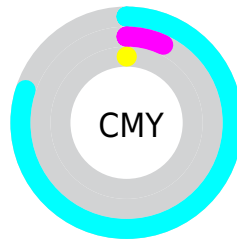
- Red (20%)
- Green (93%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3010, 67.8767, 104.2690 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 49.3010, 67.8767, 104.2690 by changing the saturation by 10% instead.


 49.3010, 67.8767,
104.2690


 49.3010, 67.8767,
104.2690


374.4234,
453.0590, 595.1577


 35.0738, 49.7974,
79.2338


 88.3364, 116.1757,
169.1144


 23.8865, 35.2525,
58.5656


 113.8753,
147.1643, 209.7616

 15.3738, 23.8574,
41.8458


 143.9155,
183.2247, 256.4500

 9.1701, 15.2279,
28.6559

 178.8224,
224.7415, 309.5981

 4.9103, 8.9795,
18.5774

218.9612,
272.0989, 369.6243

 2.2290, 4.7278,
11.1916

264.6975,

 0.7579, 2.0885,

325.6813, 436.9473

6.0801

316.3964,
385.8732, 511.9856

■ 0.0000, 0.6581,
2.8242

■ 0.0000, 0.0000,
1.0056

■ 49.3010, 67.8767,
104.2690

■ 49.3010, 67.8767,
104.2690

■ 47.6804, 66.0813,
104.0092

■ 51.6363, 70.0555,
104.5678

■ 46.6144, 64.5827,
103.7761

■ 54.7787, 72.6614,
104.9051

■ 46.5687, 64.5139,
103.7652

■ 58.8134, 75.7395,
105.2866

■ 63.8131, 79.3276,
105.7157

69.8431, 83.4592,
106.1953

76.9627, 88.1651,
106.7284

85.2270, 93.4735,
107.3174

94.6064, 99.3693,
107.9611

94.8896, 99.9359,
108.0555

Harmonies

Analogous

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



47.2552, 67.8767, 73.4842



49.3010, 67.8767, 104.2690



55.3225, 67.8767, 131.7312

Triad

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



49.3010, 67.8767, 104.2690



82.4008, 67.8767, 105.1929



64.6625, 67.8767, 31.6260

Complementary

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



49.3010, 67.8767, 104.2690



43.6850, 25.7016, 5.9094

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.



74.6727, 67.8767, 36.0986



49.3010, 67.8767, 104.2690



85.5356, 67.8767, 74.3298

Square

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



49.3010, 67.8767, 104.2690



74.3912, 67.8767, 132.3537



82.5747, 67.8767, 50.0966



55.5536, 67.8767, 35.8370

Rectangle

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



49.3010, 67.8767, 104.2690



61.1179, 67.8767, 141.7173



82.5747, 67.8767, 50.0966



68.0352, 67.8767, 32.1418

Sweetspot

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



49.3031, 67.8792, 104.2706



74.2917, 86.7527, 107.4371



37.9289, 72.0429, 17.5125



15.3645, 18.2123, 22.9555



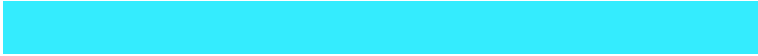
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.3031, 67.8792, 104.2706



47.4685, 65.8160, 104.8097



28.1360, 25.5448, 97.2149



18.4083, 20.1882, 23.1764



24.6078, 34.1252, 54.7244



2.4349, 3.4004, 5.3413

Inverse Universe

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



57.2432, 29.5850, 82.0528



56.1479, 27.4484, 79.7398



55.8389, 50.0094, 9.9607



18.7187, 18.2708, 22.4020



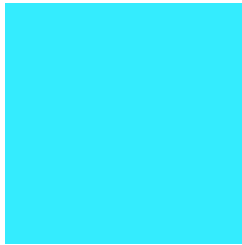
29.2091, 14.1729, 41.3471



2.8636, 1.3878, 4.1292

Previews

White Background



This preview shows how the XYZ color 49.3010, 67.8767, 104.2690 looks on a white background.

Color Contrast Check

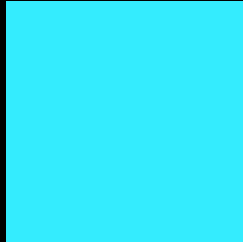
Large Text (above 18pt) WCAG AA × Fail

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 49.3010, 67.8767, 104.2690 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

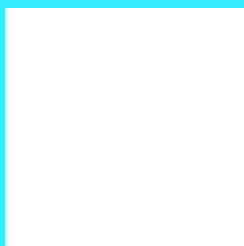
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3010, 67.8767, 104.2690

Background



This preview shows how black text looks on a background with the XYZ color 49.3010, 67.8767, 104.2690.

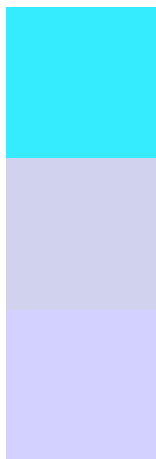


This preview shows how white text looks on a background with the XYZ color 49.3010, 67.8767,

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

49.3010, 67.8767, 104.2690

Protanopia

65.0214, 66.3169, 90.2624

Deuteranopia

67.7144, 66.6698, 103.9074



Tritanopia

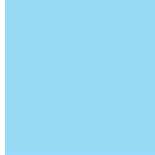
49.5137, 67.9678, 105.1172

Trichromacy



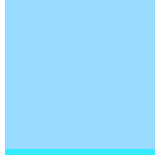
Original Color

49.3010, 67.8767, 104.2690



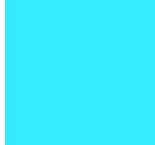
Protanomaly

54.8712, 64.3935, 95.1251



Deuteranomaly

56.5184, 64.6553, 104.1086



Tritanomaly

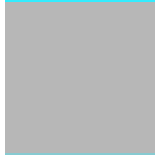
49.5137, 67.9678, 105.1172

Monochromacy



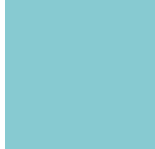
Original Color

49.3010, 67.8767, 104.2690



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.6208, 51.9954, 68.1114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3010, 67.8767, 104.2690 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(52, 236, 254)` looks like.

```
.text, #text, p{  
    color:rgb(52, 236, 254)  
}
```

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(52, 236, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 236, 254) }
```

Border

The CSS property to change the border of an element to XYZ 49.3010, 67.8767, 104.2690 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(52, 236, 254) }
```


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

```
.border{ border-color:rgb(52, 236, 254) }
```

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

Here you see how a box with a 4 pixel rgb(52, 236, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 236, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 236, 254);  
box-shadow:4px 4px 4px 4px rgb(52, 236,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3010, 67.8767, 104.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 236, 254) }
```

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

```
.background{ background-color: rgb(52, 236,  
254) }
```

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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