

Converting Colors

XYZ(49.5823, 69.6295,
101.1882)

Have a look what the booklet for
XYZ(49.5823, 69.6295, 101.1882)
contains.

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Color

**XYZ(49.7308, 69.9004,
101.3135)**

Conversions

Conversions Part 1

Format	Color
Hex	32F0FA
RGB	50, 240, 250
RGB Percent	20%, 94%, 98%
CMY	0.8038, 0.0588, 0.0196
CMYK	0.80, 0.04, 0.00, 0.02
HSL	183°, 95%, 59%
HSV	183°, 80%, 98%
XYZ	49.7308, 69.9004, 101.3135
YIQ	184.3300, -116.4500, -37.1700

Conversions

Conversions Part 2

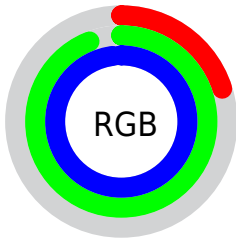
Format	Color
RYB	50, 147, 250
Decimal	3338490
CIELab	86.95, -40.84, -17.76
CIELCh	87, 44.533, 203.499
Yxy	69.9004, 0.2251, 0.3164
Android (android.graphics.Color)	4281528570 (0xFF32F0FA)
YUV	184.3300, 32.3753, -117.8074
Hunter-Lab	83.6065, -40.1359, -13.3225

Details

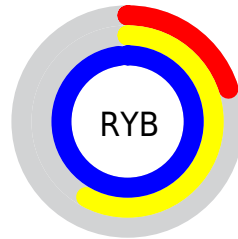
The XYZ color **49.7308, 69.9004, 101.3135** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.6178, 23.7882, 5.4178**, and the grayscale version is **45.6189, 47.9946, 52.2662**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.6711, 37.7620, 56.9220** is the 20% darker color. If you saturate the color by 10%, you get **48.4513, 68.6979, 101.1501**, and if you desaturate by 10%, it is **51.6890, 71.4595, 101.5125**.

Distribution



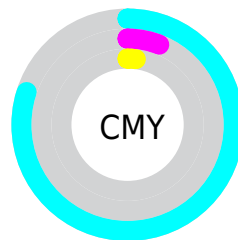
- Red (20%)
- Green (94%)
- Blue (98%)



- Red (20%)
- Yellow (58%)
- Blue (98%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





- Cyan (80%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7308, 69.9004, 101.3135 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 49.7308, 69.9004, 101.3135 by changing the saturation by 10% instead.


 49.7308, 69.9004,
101.3135


 49.7308, 69.9004,
101.3135

376.0817,
460.2002, 585.6783


 35.4165, 51.4453,
76.7750


 88.9701, 119.0667,
165.0287

 24.1519, 36.5632,
56.5577


 114.6258,
150.5467, 205.0424

 15.5717, 24.8694,
40.2433


 144.7926,
187.1372, 251.0515

 9.3105, 15.9798,
27.4130

 179.8360,
229.2226, 303.4747

 5.0030, 9.5099,
17.6485

220.1212,
277.1871, 362.7304

 2.2838, 5.0752,
10.5311

266.0137,

 0.7863, 2.2915,

331.4153, 429.2373

5.6423

317.8787,
392.2916, 503.4137

■ 0.0000, 0.7692,
2.5636

■ 0.0000, 0.0000,
0.8736

■ 49.7308, 69.9004,
101.3135

■ 49.7308, 69.9004,
101.3135

■ 48.4513, 68.6979,
101.1501

■ 51.6890, 71.4595,
101.5125

■ 47.6860, 67.7628,
101.0100

■ 54.4153, 73.4168,
101.7466

■ 47.6855, 67.7621,
101.0099

■ 57.9922, 75.8165,
102.0213

■ 62.4901, 78.6947,
102.3398

67.9718, 82.0839,
102.7050

74.4949, 86.0137,
103.1198

82.1123, 90.5115,
103.5864

90.8734, 95.6026,
104.1074

93.0716, 97.3144,
104.3219

Harmonies

Analogous

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



48.4798, 69.9004, 69.8065



49.7308, 69.9004, 101.3135



55.2360, 69.9004, 132.0714

Triad

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



49.7308, 69.9004, 101.3135



83.8496, 69.9004, 115.5241



68.7287, 69.9004, 32.2010

Complementary

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



49.7308, 69.9004, 101.3135



41.6178, 23.7882, 5.4178

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.



79.0610, 69.9004, 38.7228



49.7308, 69.9004, 101.3135



88.3601, 69.9004, 82.7813

Square

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



49.7308, 69.9004, 101.3135



74.7376, 69.9004, 141.6601



86.5222, 69.9004, 55.4762



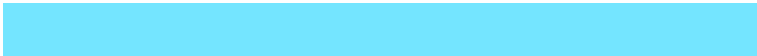
58.7772, 69.9004, 34.7347

Rectangle

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



49.7308, 69.9004, 101.3135



60.9173, 69.9004, 145.3102



86.5222, 69.9004, 55.4762



72.2830, 69.9004, 33.3361

Sweetspot

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



49.7330, 69.9030, 101.3152



75.0385, 88.2462, 107.6860



36.2331, 69.3430, 15.3046



15.5475, 18.5782, 23.0165



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.



49.7330, 69.9030, 101.3152



50.1569, 71.2442, 105.7157



28.4461, 27.3292, 94.2196



17.6871, 19.4510, 22.2075



25.3262, 36.0080, 53.5890



2.3678, 3.3794, 4.9707

Inverse Universe

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



56.2950, 28.8985, 85.0516



57.4923, 27.9381, 86.9675



52.0033, 44.5592, 8.8796



17.9534, 17.5087, 21.6101



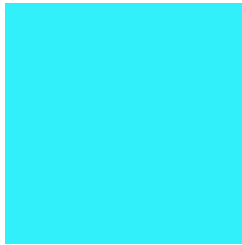
29.0755, 14.0459, 43.9677



2.7041, 1.3054, 4.1312

Previews

White Background



This preview shows how the XYZ color 49.7308, 69.9004, 101.3135 looks on a white background.

Color Contrast Check

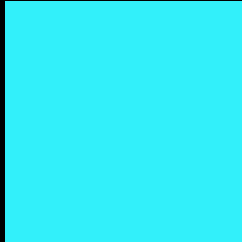
Large Text (above 18pt) WCAG AA × Fail

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 49.7308, 69.9004, 101.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

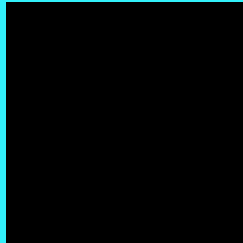
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7308, 69.9004, 101.3135

Background



This preview shows how black text looks on a background with the XYZ color 49.7308, 69.9004, 101.3135.

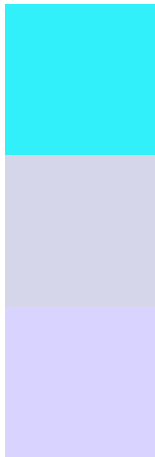


This preview shows how white text looks on a background with the XYZ color 49.7308, 69.9004,

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

49.7308, 69.9004, 101.3135

Protanopia

66.6294, 68.3298, 87.5191

Deuteranopia

69.9595, 68.5602, 104.1539



Tritanopia

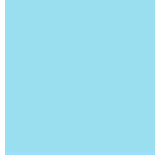
52.1719, 69.7668, 105.3243

Trichromacy



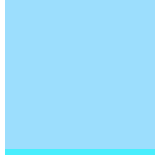
Original Color

49.7308, 69.9004, 101.3135



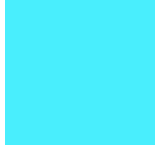
Protanomaly

55.4423, 65.9366, 92.2430



Deuteranomaly

57.5612, 66.4023, 102.7116



Tritanomaly

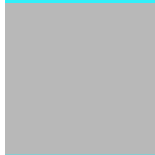
51.0518, 69.6574, 103.6830

Monochromacy



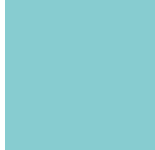
Original Color

49.7308, 69.9004, 101.3135



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.9697, 52.8907, 67.6187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7308, 69.9004, 101.3135 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, 240, 250)` looks like.

```
.text, #text, p{  
    color:rgb(50, 240, 250)  
}
```

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, 240, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 240, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.7308, 69.9004, 101.3135 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, 240, 250) }
```


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

```
.border{ border-color:rgb(50, 240, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 240, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 240, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 240, 250);  
box-shadow:4px 4px 4px 4px rgb(50, 240,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7308, 69.9004, 101.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 240, 250) }
```

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

```
.background{ background-color: rgb(50, 240,  
250) }
```

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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