

Converting Colors

XYZ(48.9971, 69.1250,
101.0991)

Have a look what the booklet for
XYZ(48.9971, 69.1250, 101.0991)
contains.

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Color

**XYZ(48.9969, 69.0862,
101.1951)**

Conversions

Conversions Part 1

Format	Color
Hex	28EFFA
RGB	40, 239, 250
RGB Percent	16%, 94%, 98%
CMY	0.8430, 0.0627, 0.0196
CMYK	0.84, 0.04, 0.00, 0.02
HSL	183°, 95%, 57%
HSV	183°, 84%, 98%
XYZ	48.9969, 69.0862, 101.1951
YIQ	180.7530, -122.1350, -38.7670

Conversions

Conversions Part 2

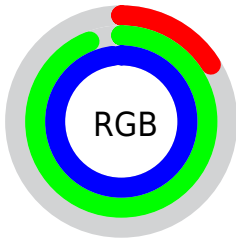
Format	Color
RYB	40, 142, 250
Decimal	2682874
CIELab	86.55, -41.10, -18.37
CIELCh	87, 45.021, 204.085
Yxy	69.0862, 0.2234, 0.3151
Android (android.graphics.Color)	4280872954 (0xFF28EFA)
YUV	180.7530, 34.1388, -123.4404
Hunter-Lab	83.1181, -40.2336, -14.0020

Details

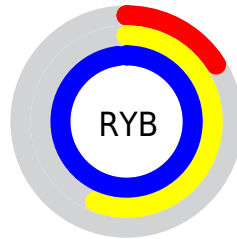
The XYZ color **48.9969, 69.0862, 101.1951** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.9932, 22.8473, 4.2590**, and the grayscale version is **43.6611, 45.9348, 50.0230**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **26.4656, 37.3509, 56.8535** is the 20% darker color. If you saturate the color by 10%, you get **47.9384, 67.9749, 101.0377**, and if you desaturate by 10%, it is **50.6894, 70.5314, 101.3861**.

Distribution



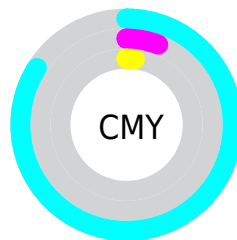
- Red (16%)
- Green (94%)
- Blue (98%)



- Red (16%)
- Yellow (56%)
- Blue (98%)



- Cyan (84%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





- Cyan (84%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9969, 69.0862, 101.1951 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 48.9969, 69.0862, 101.1951 by changing the saturation by 10% instead.


 48.9969, 69.0862,
101.1951


 48.9969, 69.0862,
101.1951


373.2473,
457.3349, 585.2969

 34.8315, 50.7819,
76.6766


 87.8876, 117.9047,
164.8647


 23.6990, 36.0351,
56.4775

 113.3437,
149.1877, 204.8529

 15.2340, 24.4613,
40.1793


 143.2940,
185.5657, 250.8347

 9.0712, 15.6762,
27.3635

 178.1040,
227.4231, 303.2286

 4.8451, 9.2953,
17.6116

218.1389,
275.1444, 362.4533

 2.1905, 4.9343,
10.5049

263.7642,

 0.7377, 2.2088,

329.1138, 428.9272

5.6251

315.3452,
389.7159, 503.0689

■ 0.0000, 0.7248,
2.5534

■ 0.0000, 0.0000,
0.8682

■ 48.9969, 69.0862,
101.1951

■ 48.9969, 69.0862,
101.1951

■ 47.9384, 67.9749,
101.0377


■ 50.6894, 70.5314,
101.3861


■ 47.5128, 67.4167,
100.9524

■ 53.1142, 72.3567,
101.6107


■ 56.3592, 74.6090,
101.8744


■ 60.4983, 77.3264,
102.1807

 65.5971, 80.5427,
102.5328

 71.7150, 84.2886,
102.9334

 78.9069, 88.5923,
103.3850

 87.2233, 93.4799,
103.8901

 92.9267, 97.0246,
104.2737

Harmonies

Analogous

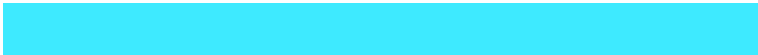
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.6601, 69.0862, 69.4553



48.9969, 69.0862, 101.1951



54.5838, 69.0862, 132.0203

Triad

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



48.9969, 69.0862, 101.1951



83.2920, 69.0862, 114.2162



67.7539, 69.0862, 31.3198

Complementary

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



48.9969, 69.0862, 101.1951



40.9932, 22.8473, 4.2590

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.



78.1513, 69.0862, 37.6216



48.9969, 69.0862, 101.1951



87.7127, 69.0862, 81.3017

Square

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



48.9969, 69.0862, 101.1951



74.1977, 69.0862, 140.8254



85.7385, 69.0862, 54.1250



57.8117, 69.0862, 34.0124

Rectangle

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



48.9969, 69.0862, 101.1951



60.3146, 69.0862, 145.1217



85.7385, 69.0862, 54.1250



71.3215, 69.0862, 32.3893

Sweetspot

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



48.9990, 69.0887, 101.1968



74.3028, 87.7368, 107.6265



35.6492, 69.0587, 14.5279



15.4039, 18.4749, 23.0041



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.



48.9990, 69.0887, 101.1968



49.6961, 70.5122, 105.5987



26.7279, 24.5465, 93.7731



17.6834, 19.4435, 22.2063



25.2360, 35.8276, 53.5589



2.3605, 3.3646, 4.9682

Inverse Universe

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



55.7650, 28.0757, 84.1439



57.2135, 27.6494, 86.0452



51.6150, 44.0911, 7.7996



17.9515, 17.5079, 21.6001



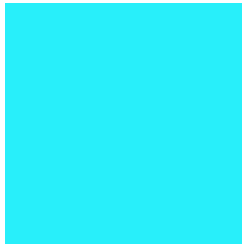
29.0300, 14.0277, 43.7280



2.7004, 1.3039, 4.1116

Previews

White Background



This preview shows how the XYZ color 48.9969, 69.0862, 101.1951 looks on a white background.

Color Contrast Check

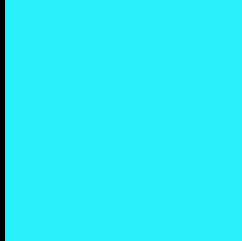
Large Text (above 18pt) WCAG AA × Fail

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 48.9969, 69.0862, 101.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

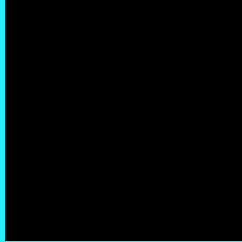
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9969, 69.0862, 101.1951

Background



This preview shows how black text looks on a background with the XYZ color 48.9969, 69.0862, 101.1951.

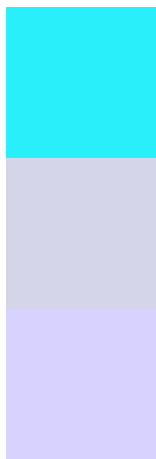


This preview shows how white text looks on a background with the XYZ color 48.9969, 69.0862,

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

48.9969, 69.0862, 101.1951

Protanopia

66.0861, 67.6751, 87.4214

Deuteranopia

69.1209, 67.7603, 104.0437



Tritanopia

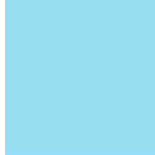
51.0818, 69.2048, 105.2733

Trichromacy



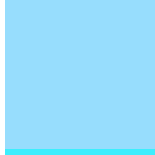
Original Color

48.9969, 69.0862, 101.1951



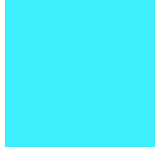
Protanomaly

54.4271, 65.0179, 92.1192



Deuteranomaly

56.3486, 65.3841, 102.5790



Tritanomaly

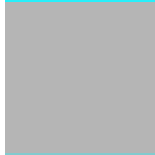
50.2286, 69.2330, 103.6445

Monochromacy



Original Color

48.9969, 69.0862, 101.1951



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.4670, 51.4431, 66.1365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9969, 69.0862, 101.1951 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(40, 239, 250)` looks like.

```
.text, #text, p{  
    color:rgb(40, 239, 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(40, 239, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 239, 250) }
```

Border

The CSS property to change the border of an element to XYZ 48.9969, 69.0862, 101.1951 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(40, 239, 250) }
```


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

```
.border{ border-color:rgb(40, 239, 250) }
```

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

Here you see how a box with a 4 pixel rgb(40, 239, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 239, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 239, 250);  
box-shadow:4px 4px 4px 4px rgb(40, 239,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9969, 69.0862, 101.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 239, 250) }
```

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

```
.background{ background-color: rgb(40, 239,  
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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