

Converting Colors

XYZ(49.4970, 69.4007,
105.3947)

Have a look what the booklet for
XYZ(49.4970, 69.4007, 105.3947)
contains.

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Color

**XYZ(49.3954, 69.1999,
105.3612)**

Conversions

Conversions Part 1

Format	Color
Hex	1CEFFF
RGB	28, 239, 255
RGB Percent	11%, 94%, 100%
CMY	0.8901, 0.0627, 0.0000
CMYK	0.89, 0.06, 0.00, 0.00
HSL	184°, 100%, 55%
HSV	184°, 89%, 100%
XYZ	49.3954, 69.1999, 105.3612
YIQ	177.7350, -130.8920, -39.7560

Conversions

Conversions Part 2

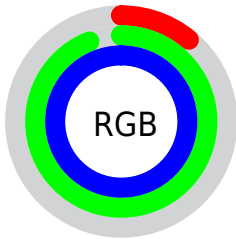
Format	Color
R _Y B	28, 137, 255
Decimal	1896447
CIE Lab	86.60, -40.26, -20.92
CIE LCh	87, 45.370, 207.455
Yxy	69.1999, 0.2206, 0.3090
Android (android.graphics.Color)	4280086527 (0xFF1CEFFF)
YUV	177.7350, 38.0916, -131.3176
Hunter-Lab	83.1865, -39.5846, -16.8642

Details

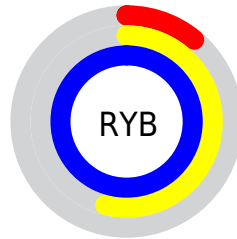
The XYZ color **49.3954, 69.1999, 105.3612** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.3519, 23.1477, 3.3366**, and the grayscale version is **42.0379, 44.2272, 48.1634**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **26.9210, 37.5331, 59.2518** is the 20% darker color. If you saturate the color by 10%, you get **48.4256, 67.9241, 105.1661**, and if you desaturate by 10%, it is **50.9428, 70.7841, 105.5855**.

Distribution



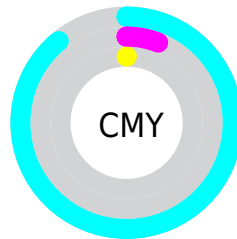
- Red (11%)
- Green (94%)
- Blue (100%)



- Red (11%)
- Yellow (54%)
- Blue (100%)



- Cyan (89%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3954, 69.1999, 105.3612 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 49.3954, 69.1999, 105.3612 by changing the saturation by 10% instead.


 49.3954, 69.1999,
105.3612


 49.3954, 69.1999,
105.3612

374.7880,
457.7357, 598.6407


 35.1491, 50.8745,
80.1436


 88.4756, 118.0670,
170.6213

 23.9448, 36.1088,
59.3097


 114.0402,
149.3776, 211.5009

 15.4172, 24.5182,
42.4408


 144.1083,
185.7854, 258.4383

 9.2009, 15.7185,
29.1185

 179.0452,
227.6747, 311.8520

 4.9306, 9.3252,
18.9241

219.2162,
275.4300, 372.1605

 2.2409, 4.9539,
11.4392

264.9868,

 0.7642, 2.2202,

329.4357, 439.7825

6.2452

316.7223,
390.0761, 515.1363

■ 0.0000, 0.7310,
2.9236

■ 0.0000, 0.0000,
1.0557

■ 49.3954, 69.1999,
105.3612

■ 49.3954, 69.1999,
105.3612

■ 48.4256, 67.9241,
105.1661

■ 50.9428, 70.7841,
105.5855

■ 48.3421, 67.8042,
105.1474

■ 53.2077, 72.7445,
105.8445

■ 56.2909, 75.1346,
106.1433

■ 60.2756, 77.9972,
106.4859

■ 65.2347, 81.3701,
106.8755

■ 71.2337, 85.2868,
107.3153

■ 78.3324, 89.7784,
107.8082

■ 86.5859, 94.8733,
108.3566

■ 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.



47.5516, 69.1999, 72.8023



49.3954, 69.1999, 105.3612



55.4728, 69.1999, 135.5438

Triad

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



49.3954, 69.1999, 105.3612



84.3546, 69.1999, 111.0347



66.6752, 69.1999, 31.0028

Complementary

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



49.3954, 69.1999, 105.3612



42.3519, 23.1477, 3.3366

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.



77.2740, 69.1999, 36.2813



49.3954, 69.1999, 105.3612



88.1384, 69.1999, 77.9501

Square

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



49.3954, 69.1999, 105.3612



75.5538, 69.1999, 139.3865



85.4199, 69.1999, 51.6540



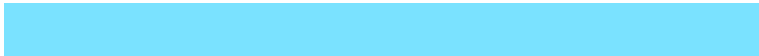
56.8739, 69.1999, 34.7230

Rectangle

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



49.3954, 69.1999, 105.3612



61.4730, 69.1999, 147.2854



85.4199, 69.1999, 51.6540



70.2678, 69.1999, 31.7426

Sweetspot

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



49.3973, 69.2023, 105.3616



72.5676, 86.1408, 107.4099



36.6789, 71.9430, 14.2547



15.0521, 18.1295, 22.9560



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.



49.3973, 69.2023, 105.3616



48.3421, 67.8042, 105.1474



26.0402, 22.4881, 97.5759



18.4388, 20.2493, 23.1866



25.3063, 35.5222, 54.9573



2.4955, 3.5217, 5.3615

Inverse Universe

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



57.2366, 28.3244, 84.1144



56.5301, 27.3760, 82.4464



53.4476, 45.3392, 7.0352



18.7341, 18.2770, 22.4831



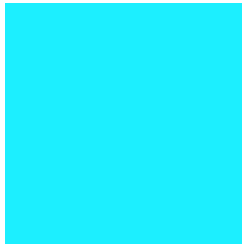
29.5616, 14.3140, 43.2036



2.8942, 1.4001, 4.2904

Previews

White Background



This preview shows how the XYZ color 49.3954, 69.1999, 105.3612 looks on a white background.

Color Contrast Check

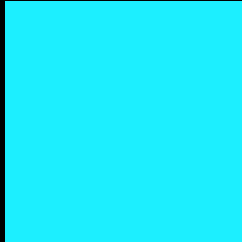
Large Text (above 18pt) WCAG AA × Fail

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 49.3954, 69.1999, 105.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

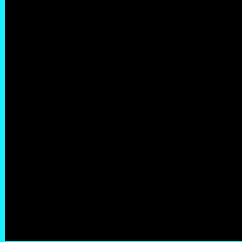
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3954, 69.1999, 105.3612

Background



This preview shows how black text looks on a background with the XYZ color 49.3954, 69.1999, 105.3612.

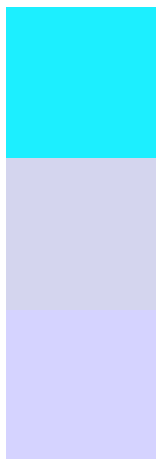


This preview shows how white text looks on a background with the XYZ color 49.3954, 69.1999,

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

49.3954, 69.1999, 105.3612

Protanopia

66.3782, 67.7586, 90.4691

Deuteranopia

68.7848, 67.9547, 104.0990



Tritanopia

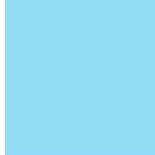
51.0067, 69.1661, 105.2698

Trichromacy



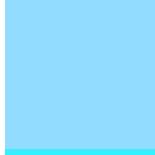
Original Color

49.3954, 69.1999, 105.3612



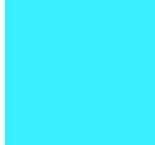
Protanomaly

54.1275, 64.7939, 95.2416



Deuteranomaly

55.7605, 65.0439, 104.2236



Tritanomaly

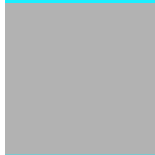
50.2554, 69.2098, 105.3178

Monochromacy



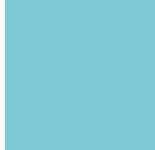
Original Color

49.3954, 69.1999, 105.3612



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.9632, 49.9757, 65.9325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3954, 69.1999, 105.3612 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(28, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 239, 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(28, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3954, 69.1999, 105.3612 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(28, 239, 255) }
```


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

```
.border{ border-color:rgb(28, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3954, 69.1999, 105.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 239, 255) }
```

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

```
.background{ background-color: rgb(28, 239,  
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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