

Converting Colors

XYZ(41.1101, 68.2279,
113.7107)

Have a look what the booklet for
XYZ(41.1101, 68.2279, 113.7107)
contains.

XYZ(51.3108, 73.7415, 106.1369)	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(51.3108, 73.7415,
106.1369)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7FF
RGB	0, 247, 255
RGB Percent	0%, 97%, 100%
CMY	0.9997, 0.0314, 0.0000
CMYK	1.00, 0.03, 0.00, 0.00
HSL	182°, 100%, 50%
HSV	182°, 100%, 100%
XYZ	51.3108, 73.7415, 106.1369
YIQ	174.0590, -149.7800, -49.8760

Conversions

Conversions Part 2

Format	Color
RYB	0, 125, 255
Decimal	63487
CIELab	88.80, -44.60, -17.61
CIELCh	89, 47.953, 201.551
Yxy	73.7415, 0.2219, 0.3190
Android (android.graphics.Color)	4278253567 (0xFF00F7FF)
YUV	174.0590, 39.9039, -152.6497
Hunter-Lab	85.8729, -43.6201, -13.1701

Details

The XYZ color **51.3108, 73.7415, 106.1369** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.3281, 21.4356, 1.9616**, and the grayscale version is **40.1323, 42.2223, 45.9801**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.6065, 40.9041, 59.8136** is the 20% darker color. If you saturate the color by 10%, you get **51.3110, 73.7420, 106.1370**, and if you desaturate by 10%, it is **51.9723, 74.4480, 106.2384**.

Distribution



- Red (0%)
- Green (97%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3108, 73.7415, 106.1369 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 51.3108, 73.7415, 106.1369 by changing the saturation by 10% instead.


 51.3108, 73.7415,
106.1369


 51.3108, 73.7415,
106.1369


382.1379,
473.5807, 601.1079


 36.6781, 54.5825,
80.7902


 91.2943, 124.5293,
171.6906


 25.1309, 39.0675,
59.8388


 117.3757,
156.9269, 212.7347

 16.3038, 26.8123,
42.8643

 148.0041,
194.5061, 259.8482

 9.8316, 17.4323,
29.4480

 183.5449,
237.6514, 313.4499

 5.3489, 10.5432,
19.1715

224.3632,
286.7471, 373.9581

 2.4902, 5.7606,
11.6162

270.8246,

 0.8903, 2.7000,

342.1776, 441.7915

6.3636

323.2944,
404.3273, 517.3686

■ 0.0000, 0.9772,
2.9950

■ 0.0000, 0.0000,
1.0921

■ 51.3108, 73.7415,
106.1369

■ 51.3108, 73.7415,
106.1369

■ 51.3110, 73.7420,
106.1370

■ 51.9723, 74.4480,
106.2384

■ 53.1725, 75.4323,
106.3651

■ 55.0774, 76.7813,
106.5251

■ 57.7875, 78.5470,
106.7231

■ 61.3874, 80.7730,
106.9630

■ 65.9509, 83.4973,
107.2484

■ 71.5439, 86.7540,
107.5822

■ 78.2269, 90.5741,
107.9673

■ 86.0553, 94.9862,
108.4063

Harmonies

Analogous

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



50.2475, 73.7415, 71.2606



51.3108, 73.7415, 106.1369



57.1054, 73.7415, 141.4822

Triad

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



51.3108, 73.7415, 106.1369



89.0636, 73.7415, 126.9630



73.4202, 73.7415, 32.2065

Complementary

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



51.3108, 73.7415, 106.1369



41.3281, 21.4356, 1.9616

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.



84.9051, 73.7415, 39.9125



51.3108, 73.7415, 106.1369



94.5673, 73.7415, 90.0558

Square

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



51.3108, 73.7415, 106.1369



78.6120, 73.7415, 155.6324



92.9669, 73.7415, 59.0251



62.2056, 73.7415, 34.3037

Rectangle

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



51.3108, 73.7415, 106.1369



63.2599, 73.7415, 157.4793



92.9669, 73.7415, 59.0251



77.3929, 73.7415, 33.6368

Sweetspot

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



51.3128, 73.7441, 106.1373



71.5242, 86.7426, 107.5810



35.7848, 71.5300, 12.0450



14.7770, 18.2584, 22.9953



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.



51.3128, 73.7441, 106.1373



51.3110, 73.7420, 106.1370



25.1703, 21.4591, 97.4231



18.5031, 20.3779, 23.2081



26.8329, 38.5755, 55.4662



2.6274, 3.7855, 5.4055

Inverse Universe

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



58.0299, 27.9774, 90.3401



58.0286, 27.9754, 90.3377



49.4632, 37.7057, 4.6733



18.7666, 18.2900, 22.6541



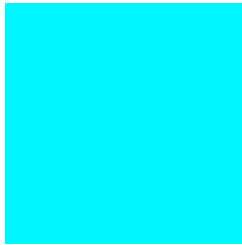
30.3322, 14.6222, 47.2614



2.9608, 1.4267, 4.6409

Previews

White Background



This preview shows how the XYZ color 51.3108, 73.7415, 106.1369 looks on a white background.

Color Contrast Check

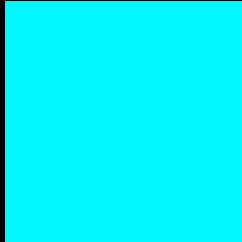
Large Text (above 18pt) WCAG AA × Fail

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 51.3108, 73.7415, 106.1369 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 51.3108, 73.7415, 106.1369

Background



This preview shows how black text looks on a background with the XYZ color 51.3108, 73.7415, 106.1369.

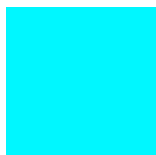


This preview shows how white text looks on a background with the XYZ color 51.3108, 73.7415,

Color Blindness Simulation

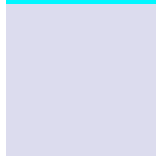
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



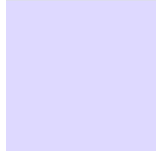
Original Color

51.3108, 73.7415, 106.1369



Protanopia

70.5410, 72.5751, 91.1794



Deuteranopia

72.9871, 72.3753, 104.7307



Tritanopia

56.8017, 73.0180, 105.7079

Trichromacy



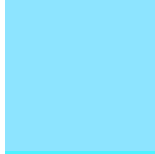
Original Color

51.3108, 73.7415, 106.1369



Protanomaly

55.4412, 68.7007, 95.9265



Deuteranomaly

56.7779, 68.3695, 104.8119



Tritanomaly

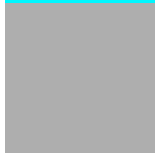
52.8627, 72.3020, 105.7773

Monochromacy



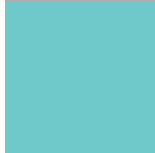
Original Color

51.3108, 73.7415, 106.1369



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2217, 49.4646, 64.0330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3108, 73.7415, 106.1369 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(0, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 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(0, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.3108, 73.7415, 106.1369 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(0, 247, 255) }
```


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

```
.border{ border-color:rgb(0, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3108, 73.7415, 106.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 255) }
```

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

```
.background{ background-color: rgb(0, 247,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor