

Converting Colors

XYZ(50.2468, 71.0001,
105.6638)

Have a look what the booklet for
XYZ(50.2468, 71.0001, 105.6638)
contains.

XYZ(50.2281, 70.9439, 105.6540)	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(50.2281, 70.9439,
105.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	1AF2FF
RGB	26, 242, 255
RGB Percent	10%, 95%, 100%
CMY	0.8979, 0.0510, 0.0000
CMYK	0.90, 0.05, 0.00, 0.00
HSL	183°, 100%, 55%
HSV	183°, 90%, 100%
XYZ	50.2281, 70.9439, 105.6540
YIQ	178.8980, -132.9090, -41.7490

Conversions

Conversions Part 2

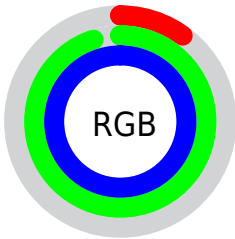
Format	Color
R _Y B	26, 137, 255
Decimal	1766143
CIE Lab	87.46, -41.70, -19.63
CIE LCh	87, 46.087, 205.207
Yxy	70.9439, 0.2214, 0.3128
Android (android.graphics.Color)	4279956223 (0xFF1AF2FF)
YUV	178.8980, 37.5183, -134.0915
Hunter-Lab	84.2282, -40.9538, -15.4123

Details

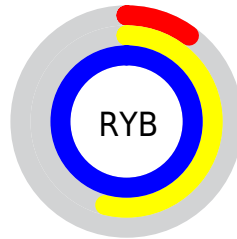
The XYZ color **50.2281, 70.9439, 105.6540** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.1534, 22.7878, 3.1561**, and the grayscale version is **42.6570, 44.8784, 48.8726**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **27.5420, 38.7751, 59.4588** is the 20% darker color. If you saturate the color by 10%, you get **49.3807, 69.8715, 105.4917**, and if you desaturate by 10%, it is **51.6280, 72.3092, 105.8437**.

Distribution



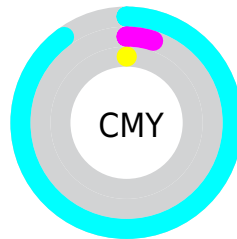
- Red (10%)
- Green (95%)
- Blue (100%)



- Red (10%)
- Yellow (54%)
- Blue (100%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2281, 70.9439, 105.6540 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 50.2281, 70.9439, 105.6540 by changing the saturation by 10% instead.


 50.2281, 70.9439,
105.6540


 50.2281, 70.9439,
105.6540

377.9945,
463.8573, 599.5726

 35.8132, 52.2964,
80.3877


 89.7025, 120.5538,
171.0250


 24.4594, 37.2414,
59.5094


 115.4928,
152.2851, 211.9667

 15.8013, 25.3945,
42.6006

 145.8056,
189.1464, 258.9707

 9.4736, 16.3712,
29.2428

 181.0062,
231.5221, 312.4554

 5.1110, 9.7872,
19.0174

221.4601,
279.7967, 372.8394

 2.3479, 5.2581,
11.5059

267.5325,

 0.8190, 2.3995,

334.3545, 440.5413

6.2898

319.5889,
395.5799, 515.9795

■ 0.0000, 0.8256,
2.9504

■ 0.0000, 0.0000,
1.0694

■ 50.2281, 70.9439,
105.6540

■ 50.2281, 70.9439,
105.6540

■ 49.3807, 69.8715,
105.4917

■ 51.6280, 72.3092,
105.8437

■ 49.3651, 69.8501,
105.4884

■ 53.7350, 74.0425,
106.0672

■ 56.6513, 76.1982,
106.3296

■ 60.4612, 78.8196,
106.6348

65.2381, 81.9447,
106.9862

71.0482, 85.6075,
107.3870

77.9516, 89.8390,
107.8399

86.0039, 94.6679,
108.3476

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.



48.6688, 70.9439, 72.3498



50.2281, 70.9439, 105.6540



56.1902, 70.9439, 137.5859

Triad

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



50.2281, 70.9439, 105.6540



86.0970, 70.9439, 116.6957



69.1922, 70.9439, 31.6245

Complementary

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



50.2281, 70.9439, 105.6540



42.1534, 22.7878, 3.1561

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.



80.0769, 70.9439, 37.7712



50.2281, 70.9439, 105.6540



90.4824, 70.9439, 82.3579

Square

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



50.2281, 70.9439, 105.6540



76.7313, 70.9439, 145.0692



88.1695, 70.9439, 54.4494



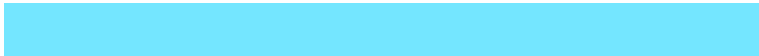
58.9125, 70.9439, 34.7501

Rectangle

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



50.2281, 70.9439, 105.6540



62.2316, 70.9439, 150.8006



88.1695, 70.9439, 54.4494



72.9102, 70.9439, 32.6134

Sweetspot

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



50.2301, 70.9464, 105.6544



72.8621, 86.7297, 107.5080



36.5285, 71.8767, 13.7386



15.1229, 18.2711, 22.9796



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.



50.2301, 70.9464, 105.6544



49.3651, 69.8501, 105.4884



26.3363, 23.1588, 97.6898



18.4613, 20.2943, 23.1941



25.8325, 36.5745, 55.1327



2.5411, 3.6128, 5.3767

Inverse Universe

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



57.6377, 28.4113, 86.4532



57.0464, 27.5826, 85.1654



52.6495, 43.7800, 6.6548



18.7455, 18.2815, 22.5430



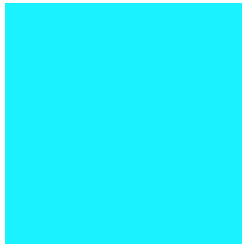
29.8272, 14.4202, 44.6022



2.9172, 1.4093, 4.4115

Previews

White Background



This preview shows how the XYZ color 50.2281, 70.9439, 105.6540 looks on a white background.

Color Contrast Check

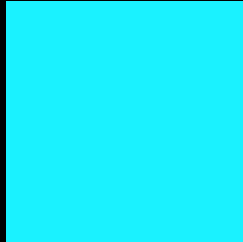
Large Text (above 18pt) WCAG AA × Fail

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 50.2281, 70.9439, 105.6540 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 50.2281, 70.9439, 105.6540

Background



This preview shows how black text looks on a background with the XYZ color 50.2281, 70.9439, 105.6540.

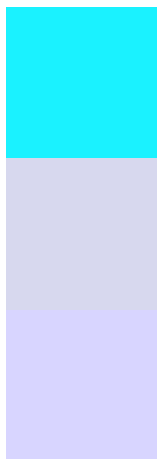


This preview shows how white text looks on a background with the XYZ color 50.2281, 70.9439,

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

50.2281, 70.9439, 105.6540

Protanopia

68.0128, 69.7319, 90.7639

Deuteranopia

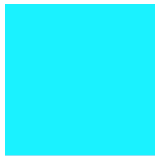
70.1632, 69.4074, 104.3067



Tritanopia

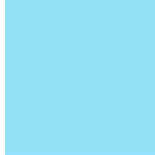
53.3439, 70.8020, 105.4624

Trichromacy



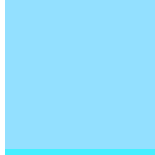
Original Color

50.2281, 70.9439, 105.6540



Protanomaly

55.1084, 66.4931, 95.5179



Deuteranomaly

56.7383, 66.7344, 104.4983



Tritanomaly

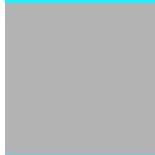
51.4423, 70.2551, 105.4570

Monochromacy



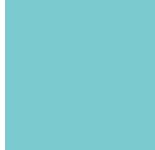
Original Color

50.2281, 70.9439, 105.6540



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.5514, 50.9570, 66.7299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2281, 70.9439, 105.6540 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(26, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 242, 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(26, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.2281, 70.9439, 105.6540 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(26, 242, 255) }
```


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

```
.border{ border-color:rgb(26, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2281, 70.9439, 105.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 242, 255) }
```

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

```
.background{ background-color: rgb(26, 242,  
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