

Converting Colors

XYZ(48.7449, 70.2055,
100.3620)

Have a look what the booklet for
XYZ(48.7449, 70.2055, 100.3620)
contains.

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Color

**XYZ(48.8510, 70.3438,
100.6255)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2F9
RGB	0, 242, 249
RGB Percent	0%, 95%, 98%
CMY	0.9997, 0.0510, 0.0235
CMYK	1.00, 0.03, 0.00, 0.02
HSL	182°, 100%, 49%
HSV	182°, 100%, 98%
XYZ	48.8510, 70.3438, 100.6255
YIQ	170.4400, -146.4790, -49.1270

Conversions

Conversions Part 2

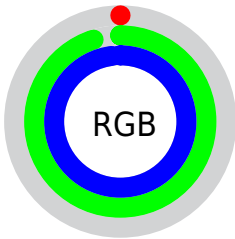
Format	Color
RYB	0, 123, 249
Decimal	62201
CIELab	87.17, -44.17, -16.94
CIELCh	87, 47.303, 200.984
Yxy	70.3438, 0.2222, 0.3200
Android (android.graphics.Color)	4278252281 (0xFF00F2F9)
YUV	170.4400, 38.7301, -149.4759
Hunter-Lab	83.8712, -42.8068, -12.4240

Details

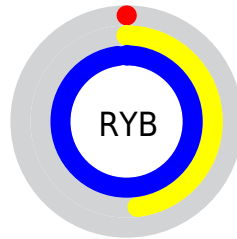
The XYZ color **48.8510, 70.3438, 100.6255** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.1446, 20.2937, 1.8560**, and the grayscale version is **38.3046, 40.2994, 43.8861**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **26.9746, 38.5482, 56.4709** is the 20% darker color. If you saturate the color by 10%, you get **48.8517, 70.3447, 100.6270**, and if you desaturate by 10%, it is **49.4612, 70.9698, 100.7155**.

Distribution



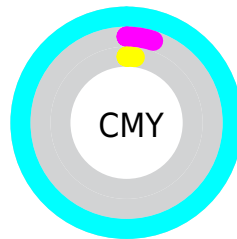
- Red (0%)
- Green (95%)
- Blue (98%)



- Red (0%)
- Yellow (48%)
- Blue (98%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8510, 70.3438, 100.6255 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 48.8510, 70.3438, 100.6255 by changing the saturation by 10% instead.


 48.8510, 70.3438,
100.6255

 48.8510, 70.3438,
100.6255


372.6821,
461.7562, 583.4600


 34.7153, 51.8069,
76.2032


 87.6722, 119.6989,
164.0759


 23.6092, 36.8512,
56.0915


 113.0884,
151.2859, 203.9410

 15.1671, 25.0923,
39.8718


 142.9955,
187.9916, 249.7909

 9.0238, 16.1458,
27.1256

 177.7589,
230.2006, 302.0441

 4.8140, 9.6274,
17.4343

 217.7439,
278.2971, 361.1190

 2.1722, 5.1526,
10.3794

263.3159,

 0.7280, 2.3371,

332.6657, 427.4343

5.5423

314.8402,
393.6906, 501.4085

■ 0.0000, 0.7932,
2.5046

■ 0.0000, 0.0000,
0.8426

■ 48.8510, 70.3438,
100.6255

■ 48.8510, 70.3438,
100.6255

■ 48.8517, 70.3447,
100.6270

■ 49.4612, 70.9698,
100.7155

■ 50.5797, 71.8574,
100.8279

■ 52.3648, 73.0900,
100.9717

■ 54.9115, 74.7163,
101.1514

■ 58.2993, 76.7774,
101.3707

■ 62.5977, 79.3092,
101.6328

■ 67.8692, 82.3438,
101.9407

■ 74.1706, 85.9105,
102.2970

■ 81.5542, 90.0363,
102.7042

Harmonies

Analogous

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



47.9229, 70.3438, 67.4098



48.8510, 70.3438, 100.6255



54.3068, 70.3438, 134.5570

Triad

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



48.8510, 70.3438, 100.6255



84.8457, 70.3438, 121.8617



70.2595, 70.3438, 30.7042

Complementary

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



48.8510, 70.3438, 100.6255



39.1446, 20.2937, 1.8560

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.



81.2117, 70.3438, 38.2487



48.8510, 70.3438, 100.6255



90.2245, 70.3438, 86.5733

Square

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



48.8510, 70.3438, 100.6255



74.7953, 70.3438, 148.9865



88.8257, 70.3438, 56.7274



59.5062, 70.3438, 32.5321

Rectangle

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



48.8510, 70.3438, 100.6255



60.1456, 70.3438, 150.1079



88.8257, 70.3438, 56.7274



74.0557, 70.3438, 32.1282

Sweetspot

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



48.8532, 70.3464, 100.6272



71.6028, 86.8997, 107.6072



33.9002, 67.7621, 11.4139



14.7961, 18.2967, 23.0017



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.



48.8532, 70.3464, 100.6272



51.5655, 74.2510, 106.2218



23.8633, 20.3666, 92.2972



17.7215, 19.5199, 22.2190



26.1679, 37.6913, 53.8695



2.4364, 3.5165, 4.9935

Inverse Universe

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



55.0958, 26.5526, 86.2284



58.1571, 28.0268, 91.0141



46.8768, 35.7580, 4.4334



17.9707, 17.5157, 21.7016



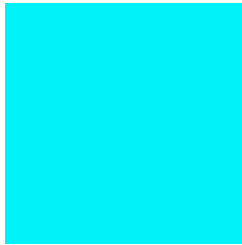
29.5003, 14.2159, 46.2047



2.7387, 1.3192, 4.3135

Previews

White Background



This preview shows how the XYZ color 48.8510, 70.3438, 100.6255 looks on a white background.

Color Contrast Check

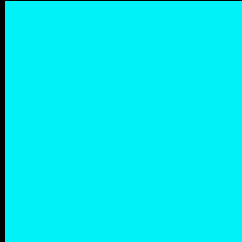
Large Text (above 18pt) WCAG AA × Fail

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 48.8510, 70.3438, 100.6255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

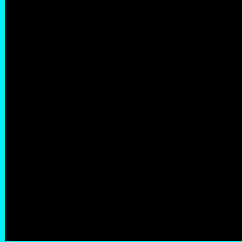
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8510, 70.3438, 100.6255

Background



This preview shows how black text looks on a background with the XYZ color 48.8510, 70.3438, 100.6255.

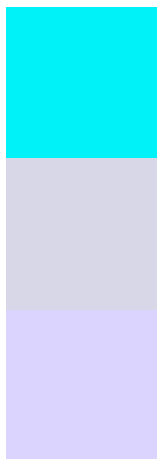


This preview shows how white text looks on a background with the XYZ color 48.8510, 70.3438,

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

48.8510, 70.3438, 100.6255

Protanopia

67.1848, 69.0260, 86.1263

Deuteranopia

70.5069, 69.2124, 104.2510



Tritanopia

52.7444, 70.4929, 105.4343

Trichromacy



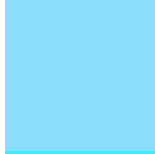
Original Color

48.8510, 70.3438, 100.6255



Protanomaly

52.6744, 65.3418, 90.7249



Deuteranomaly

54.7648, 65.3562, 102.6571



Tritanomaly

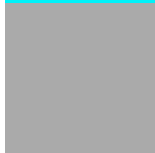
50.2835, 69.6947, 103.7307

Monochromacy



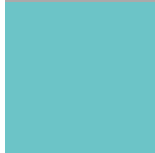
Original Color

48.8510, 70.3438, 100.6255



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.2331, 46.7915, 61.1548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8510, 70.3438, 100.6255 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, 242, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 249)  
}
```

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, 242, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 249) }
```

Border

The CSS property to change the border of an element to XYZ 48.8510, 70.3438, 100.6255 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, 242, 249) }
```


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

```
.border{ border-color:rgb(0, 242, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 242, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 242, 249); box-shadow:4px 4px 4px 4px rgb(0, 242, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8510, 70.3438, 100.6255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 249) }
```

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

```
.background{ background-color: rgb(0, 242,  
249) }
```

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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