

Converting Colors

XYZ(51.8982, 74.4306,
106.2390)

Have a look what the booklet for
XYZ(51.8982, 74.4306, 106.2390)
contains.

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Color

**XYZ(51.9483, 74.5254,
106.2546)**

Conversions

Conversions Part 1

Format	Color
Hex	16F8FF
RGB	22, 248, 255
RGB Percent	9%, 97%, 100%
CMY	0.9136, 0.0274, 0.0000
CMYK	0.91, 0.03, 0.00, 0.00
HSL	182°, 100%, 54%
HSV	182°, 91%, 100%
XYZ	51.9483, 74.5254, 106.2546
YIQ	181.2240, -136.9430, -45.7350

Conversions

Conversions Part 2

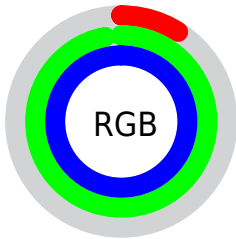
Format	Color
R _Y B	22, 137, 255
Decimal	1505535
CIE Lab	89.17, -44.52, -17.05
CIE LCh	89, 47.670, 200.957
Yxy	74.5254, 0.2232, 0.3202
Android (android.graphics.Color)	4279695615 (0xFF16F8FF)
YUV	181.2240, 36.3716, -139.6394
Hunter-Lab	86.3281, -43.6610, -12.5458

Details

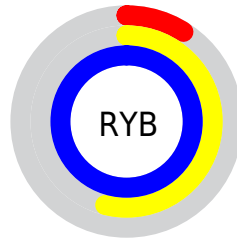
The XYZ color **51.9483, 74.5254, 106.2546** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.8256, 22.1988, 2.8416**, and the grayscale version is **43.9125, 46.1993, 50.3111**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **28.8238, 41.3388, 59.8861** is the 20% darker color. If you saturate the color by 10%, you get **51.4153, 73.9506, 106.1718**, and if you desaturate by 10%, it is **53.0520, 75.4462, 106.3742**.

Distribution



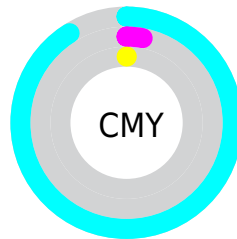
- Red (9%)
- Green (97%)
- Blue (100%)



- Red (9%)
- Yellow (54%)
- Blue (100%)



- Cyan (91%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9483, 74.5254, 106.2546 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 51.9483, 74.5254, 106.2546 by changing the saturation by 10% instead.


 51.9483, 74.5254,
106.2546


 51.9483, 74.5254,
106.2546

384.5642,
476.2847, 601.4819


 37.1880, 55.2242,
80.8883


 92.2297, 125.6403,
171.8528


 25.5274, 39.5812,
59.9192


 118.4814,
158.2228, 212.9217

 16.6012, 27.2122,
42.9286


 149.2943,
196.0011, 260.0620

 10.0441, 17.7326,
29.4981

 185.0338,
239.3597, 313.6921

 5.4907, 10.7582,
19.2091

226.0652,
288.6830, 374.2306

 2.5756, 5.9045,
11.6432

272.7538,

 0.9336, 2.7871,

344.3553, 442.0961

6.3816

325.4650,
406.7611, 517.7070

■ 0.0000, 1.0216,
3.0060

■ 0.0000, 0.0000,
1.0977

■ 51.9483, 74.5254,
106.2546

■ 51.9483, 74.5254,
106.2546

■ 51.4153, 73.9506,
106.1718

■ 53.0520, 75.4462,
106.3742

■ 54.8423, 76.7209,
106.5259

■ 57.4251, 78.4055,
106.7149

■ 60.8866, 80.5446,
106.9453

■ 65.3018, 83.1767,
107.2207

■ 70.7378, 86.3365,
107.5441

■ 77.2554, 90.0553,
107.9184

■ 84.9110, 94.3622,
108.3462

■ 93.7568, 99.2842,
108.8300

Harmonies

Analogous

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



50.9782, 74.5254, 71.4960



51.9483, 74.5254, 106.2546



57.6699, 74.5254, 141.6902

Triad

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



51.9483, 74.5254, 106.2546



89.6458, 74.5254, 128.5027



74.4050, 74.5254, 32.9320

Complementary

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



51.9483, 74.5254, 106.2546



41.8256, 22.1988, 2.8416

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.



85.8632, 74.5254, 40.8985



51.9483, 74.5254, 106.2546



95.2737, 74.5254, 91.6263

Square

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



51.9483, 74.5254, 106.2546



79.1309, 74.5254, 156.7831



93.8186, 74.5254, 60.3408



63.1387, 74.5254, 34.8527

Rectangle

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



51.9483, 74.5254, 106.2546



63.7902, 74.5254, 157.9196



93.8186, 74.5254, 60.3408



78.3784, 74.5254, 34.4383

Sweetspot

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



51.9503, 74.5280, 106.2550



73.4400, 87.8857, 107.7007



36.2775, 71.7653, 12.9131



15.2620, 18.5492, 23.0259



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.



51.9503, 74.5280, 106.2550



51.4153, 73.9506, 106.1718



26.9956, 24.6186, 97.9368



18.5053, 20.3823, 23.2088



26.8865, 38.6827, 55.4840



2.6320, 3.7947, 5.4070

Inverse Universe

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



58.4716, 28.6130, 91.2509



58.0813, 27.9965, 90.6149



51.1186, 40.7847, 5.9393



18.7677, 18.2904, 22.6599



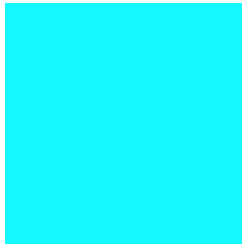
30.3593, 14.6330, 47.4039



2.9631, 1.4276, 4.6532

Previews

White Background



This preview shows how the XYZ color 51.9483, 74.5254, 106.2546 looks on a white background.

Color Contrast Check

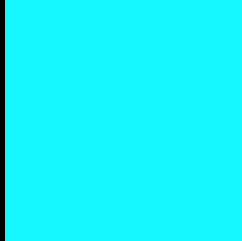
Large Text (above 18pt) WCAG AA × Fail

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 51.9483, 74.5254, 106.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

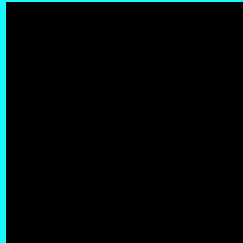
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

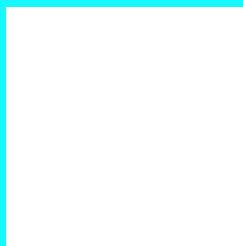
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9483, 74.5254, 106.2546

Background



This preview shows how black text looks on a background with the XYZ color 51.9483, 74.5254, 106.2546.



This preview shows how white text looks on a background with the XYZ color 51.9483, 74.5254,

Color Blindness Simulation

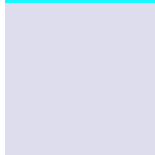
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.9483, 74.5254, 106.2546



Protanopia

71.1079, 73.2581, 91.2814



Deuteranopia

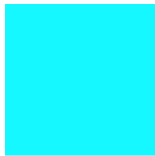
73.8619, 73.2101, 104.8458



Tritanopia

57.9625, 74.0522, 105.8463

Trichromacy



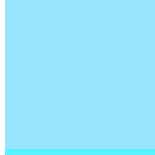
Original Color

51.9483, 74.5254, 106.2546



Protanomaly

57.2995, 70.0730, 96.0934



Deuteranomaly

58.8318, 69.8379, 104.9870



Tritanomaly

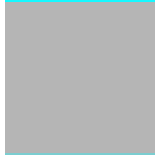
54.2204, 73.4450, 105.9263

Monochromacy



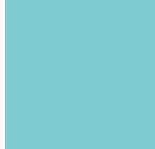
Original Color

51.9483, 74.5254, 106.2546



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.3849, 52.4277, 67.6128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9483, 74.5254, 106.2546 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(22, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 248, 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(22, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.9483, 74.5254, 106.2546 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(22, 248, 255) }
```


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

```
.border{ border-color:rgb(22, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9483, 74.5254, 106.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 248, 255) }
```

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

```
.background{ background-color: rgb(22, 248,  
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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