

Converting Colors

XYZ(51.4295, 74.4784, 99.4682)

Have a look what the booklet for
XYZ(51.4295, 74.4784, 99.4682)
contains.

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Color

**XYZ(51.4381, 74.4081,
99.6468)**

Conversions

Conversions Part 1

Format	Color
Hex	2DF8F7
RGB	45, 248, 247
RGB Percent	18%, 97%, 97%
CMY	0.8235, 0.0274, 0.0314
CMYK	0.82, 0.00, 0.00, 0.03
HSL	180°, 94%, 57%
HSV	180°, 82%, 97%
XYZ	51.4381, 74.4081, 99.6468
YIQ	187.1890, -120.6670, -43.3470

Conversions

Conversions Part 2

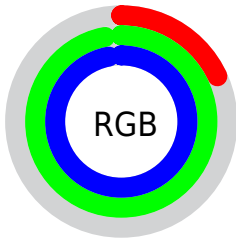
Format	Color
RYB	45, 147, 248
Decimal	3012855
CIELab	89.12, -45.62, -12.94
CIELCh	89, 47.422, 195.840
Yxy	74.4081, 0.2281, 0.3300
Android (android.graphics.Color)	4281202935 (0xFF2DF8F7)
YUV	187.1890, 29.4868, -124.6998
Hunter-Lab	86.2601, -44.5132, -8.1091

Details

The XYZ color **51.4381, 74.4081, 99.6468** 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 **40.1454, 22.0329, 4.7239**, and the grayscale version is **47.2326, 49.6923, 54.1150**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **28.0348, 41.0232, 55.7309** is the 20% darker color. If you saturate the color by 10%, you get **50.6314, 73.9960, 99.5121**, and if you desaturate by 10%, it is **52.8890, 75.1555, 99.8150**.

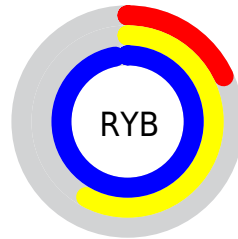
Distribution



Red (18%)

Green (97%)

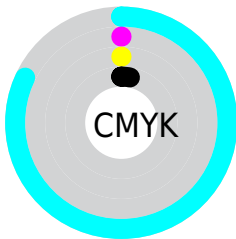
Blue (97%)



Red (18%)

Yellow (58%)

Blue (97%)

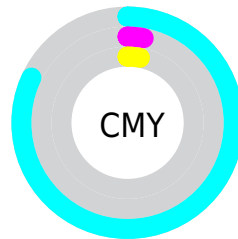


Cyan (82%)

Magenta (0%)

Yellow (0%)

Black (3%)



Cyan (82%)

Magenta (3%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4381, 74.4081, 99.6468 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 51.4381, 74.4081, 99.6468 by changing the saturation by 10% instead.


 51.4381, 74.4081,
99.6468


 51.4381, 74.4081,
99.6468


382.6232,
475.8807, 580.2967


 36.7798, 55.1281,
75.3904


 91.4812, 125.4741,
162.7194

 25.2100, 39.5043,
55.4291


 117.5967,
158.0290, 202.3726

 16.3631, 27.1523,
39.3445


 148.2620,
195.7776, 247.9951

 9.8739, 17.6876,
26.7179

 183.8425,
239.1044, 300.0055

 5.3771, 10.7259,
17.1309

224.7035,
288.3936, 358.8223

 2.5072, 5.8829,
10.1649

271.2104,

 0.8989, 2.7740,

344.0299, 424.8641

5.4014

323.7285,
406.3974, 498.5494

■ 0.0000, 1.0149,
2.4218

■ 0.0000, 0.0000,
0.7983

■ 51.4381, 74.4081,
99.6468

■ 51.4381, 74.4081,
99.6468

■ 50.6314, 73.9960,
99.5121

■ 52.8890, 75.1555,
99.8150

■ 50.3230, 73.8388,
99.4174

■ 55.0751, 76.2803,
100.0161

■ 58.0797, 77.8270,
100.2555

■ 61.9733, 79.8321,
100.5365

66.8188, 82.3278,
100.8622

72.6735, 85.3438,
101.2352

79.5899, 88.9072,
101.6579

87.6172, 93.0432,
102.1327

91.7678, 95.1808,
102.4261

Harmonies

Analogous

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



51.3019, 74.4081, 66.4345



51.4381, 74.4081, 99.6468



56.3527, 74.4081, 135.7441

Triad

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



51.4381, 74.4081, 99.6468



87.8800, 74.4081, 133.8918



76.2953, 74.4081, 33.6740

Complementary

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



51.4381, 74.4081, 99.6468



40.1454, 22.0329, 4.7239

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.



87.3487, 74.4081, 43.4210



51.4381, 74.4081, 99.6468



94.5139, 74.4081, 97.5927

Square

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



51.4381, 74.4081, 99.6468



76.9590, 74.4081, 158.8951



94.3095, 74.4081, 64.8685



64.8327, 74.4081, 33.9436

Rectangle

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



51.4381, 74.4081, 99.6468



62.0176, 74.4081, 154.0019



94.3095, 74.4081, 64.8685



80.2064, 74.4081, 35.7413

Sweetspot

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



51.4404, 74.4109, 99.6486



75.3082, 89.8286, 107.7119



35.2806, 67.9649, 13.7437



15.6491, 18.9849, 23.0248



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.



51.4404, 74.4109, 99.6486



53.6758, 78.6937, 105.9304



28.9165, 29.1151, 92.9056



17.7620, 19.6071, 22.2130



27.1853, 39.8871, 53.7124



2.5190, 3.6947, 4.9809

Inverse Universe

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



40.1454, 22.0329, 4.7239



41.3301, 21.3846, 2.1312



49.0285, 39.8304, 7.5886



17.2481, 17.2266, 17.8965



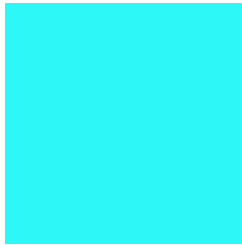
20.9170, 10.7825, 1.0055



1.9385, 0.9991, 0.0994

Previews

White Background



This preview shows how the XYZ color 51.4381, 74.4081, 99.6468 looks on a white background.

Color Contrast Check

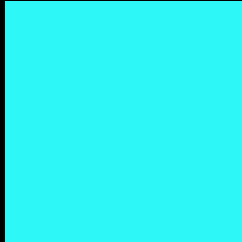
Large Text (above 18pt) WCAG AA × Fail

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 51.4381, 74.4081, 99.6468 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

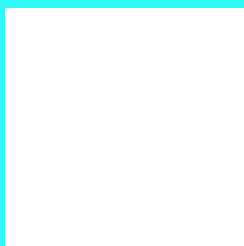
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4381, 74.4081, 99.6468

Background



This preview shows how black text looks on a background with the XYZ color 51.4381, 74.4081, 99.6468.



This preview shows how white text looks on a background with the XYZ color 51.4381, 74.4081,

Color Blindness Simulation

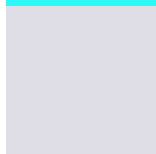
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.4381, 74.4081, 99.6468



Protanopia

70.5708, 73.1140, 85.2559



Deuteranopia

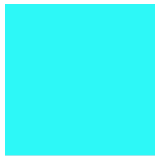
74.4402, 72.7615, 103.8869



Tritanopia

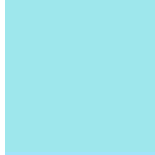
58.1122, 74.1294, 105.8533

Trichromacy



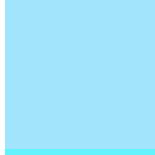
Original Color

51.4381, 74.4081, 99.6468



Protanomaly

57.8168, 70.4771, 89.9130



Deuteranomaly

59.8539, 70.0289, 101.6291



Tritanomaly

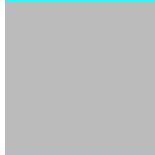
54.6583, 73.7261, 103.4452

Monochromacy



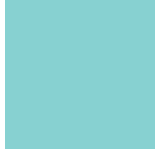
Original Color

51.4381, 74.4081, 99.6468



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.3008, 55.3553, 68.6713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4381, 74.4081, 99.6468 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(45, 248, 247)` looks like.

```
.text, #text, p{  
    color:rgb(45, 248, 247)  
}
```

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(45, 248, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 248, 247) }
```

Border

The CSS property to change the border of an element to XYZ 51.4381, 74.4081, 99.6468 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(45, 248, 247) }
```


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

```
.border{ border-color:rgb(45, 248, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 248, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 248, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 248, 247);  
box-shadow:4px 4px 4px 4px rgb(45, 248,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4381, 74.4081, 99.6468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 248, 247) }
```

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

```
.background{ background-color: rgb(45, 248,  
247) }
```

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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