

Converting Colors

XYZ(62.3724, 100.0000,
84.2711)

Have a look what the booklet for
XYZ(62.3724, 100.0000, 84.2711)
contains.

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Color

**XYZ(51.4097, 78.0801,
80.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	47FFDD
RGB	71, 255, 221
RGB Percent	28%, 100%, 87%
CMY	0.7215, 0.0000, 0.1333
CMYK	0.72, 0.00, 0.13, 0.00
HSL	169°, 100%, 64%
HSV	169°, 72%, 100%
XYZ	51.4097, 78.0801, 80.7680
YIQ	196.1080, -98.7500, -49.5820

Conversions

Conversions Part 2

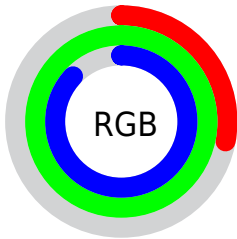
Format	Color
RYB	71, 172, 255
Decimal	4718557
CIELab	90.82, -53.03, 3.12
CIELCh	91, 53.122, 176.633
Yxy	78.0801, 0.2445, 0.3714
Android (android.graphics.Color)	4282908637 (0xFF47FFDD)
YUV	196.1080, 12.2718, -109.7197
Hunter-Lab	88.3629, -50.7836, 7.6601

Details

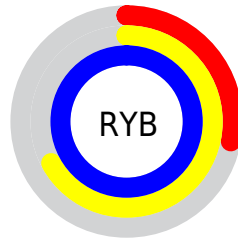
The XYZ color **51.4097, 78.0801, 80.7680** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.0440, 26.7877, 16.1103**, and the grayscale version is **52.5064, 55.2409, 60.1573**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **26.8492, 42.6857, 42.9005** is the 20% darker color. If you saturate the color by 10%, you get **49.2969, 77.0624, 77.4388**, and if you desaturate by 10%, it is **54.3258, 79.5098, 84.2295**.

Distribution



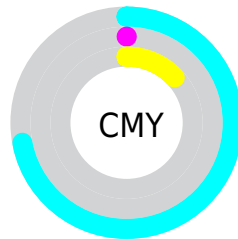
- Red (28%)
- Green (100%)
- Blue (87%)



- Red (28%)
- Yellow (67%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4097, 78.0801, 80.7680 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 51.4097, 78.0801, 80.7680 by changing the saturation by 10% instead.


 51.4097, 78.0801,
80.7680

 51.4097, 78.0801,
80.7680


382.5150,
488.4388, 517.2921


 36.7571, 58.1398,
59.8207


 91.4395, 130.6630,
136.2661


 25.1923, 41.9210,
42.8497


 117.5474,
164.0744, 171.6539

 16.3499, 29.0395,
29.4367


 148.2045,
202.7450, 212.6924

 9.8645, 19.1107,
19.1630

 183.7761,
247.0591, 259.7999

 5.3708, 11.7503,
11.6101

224.6276,
297.4011, 313.3951

 2.5034, 6.5739,
6.3595

271.1244,

 0.8970, 3.1971,

354.1555, 373.8965

2.9926

323.6317,
417.7066, 441.7227

■ 0.0000, 1.2355,
1.0908

■ 0.0000, 0.0904,
0.0000

■ 51.4097, 78.0801,
80.7680

■ 51.4097, 78.0801,
80.7680

■ 49.2969, 77.0624,
77.4388

■ 54.3258, 79.5098,
84.2295


■ 47.8792, 76.4010,
74.2321

■ 58.1301, 81.3954,
87.8239


■ 47.1305, 76.0682,
71.7963


■ 62.8994, 83.7763,
91.5569

■ 68.7014, 86.6876,
95.4324

 75.5977, 90.1609,
99.4540

 83.6449, 94.2254,
103.6251

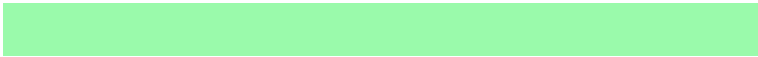
 92.8957, 98.9082,
107.9487

 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.



54.7603, 78.0801, 50.6335



51.4097, 78.0801, 80.7680



53.5375, 78.0801, 122.4422

Triad

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



51.4097, 78.0801, 80.7680



86.3337, 78.0801, 169.1909



89.2565, 78.0801, 37.1876

Complementary

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



51.4097, 78.0801, 80.7680



46.0440, 26.7877, 16.1103

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.



99.6245, 78.0801, 56.1180



51.4097, 78.0801, 80.7680



97.7998, 78.0801, 132.2366

Square

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



51.4097, 78.0801, 80.7680



72.7143, 78.0801, 181.6330



102.9230, 78.0801, 89.4103



75.7317, 78.0801, 30.6928

Rectangle

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



51.4097, 78.0801, 80.7680



57.9345, 78.0801, 150.4956



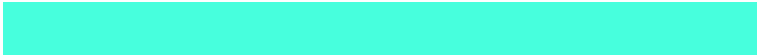
102.9230, 78.0801, 89.4103



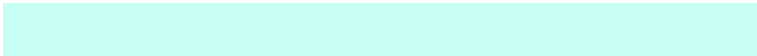
93.2861, 78.0801, 41.9654

Sweetspot

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



51.4106, 78.0805, 80.7694



75.7122, 90.2187, 99.5168



43.0585, 75.1511, 18.1990



15.7804, 19.0961, 21.0640



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.



51.4106, 78.0805, 80.7694



48.5304, 76.7012, 75.8695



41.2578, 49.7772, 102.0412



18.4024, 20.4205, 22.4220



24.6786, 39.7680, 37.7881



2.4385, 3.8863, 3.8669

Inverse Universe

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



46.0440, 26.7877, 16.1103



43.0289, 22.8524, 8.6471



49.8649, 36.6896, 10.4164



18.1464, 18.0419, 19.3883



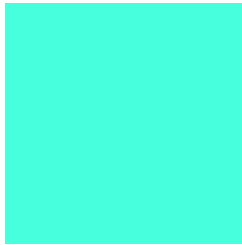
21.8572, 11.2322, 2.6327



2.1632, 1.1076, 0.4406

Previews

White Background



This preview shows how the XYZ color 51.4097, 78.0801, 80.7680 looks on a white background.

Color Contrast Check

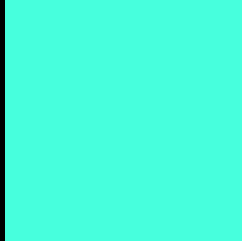
Large Text (above 18pt) WCAG AA × Fail

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 51.4097, 78.0801, 80.7680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

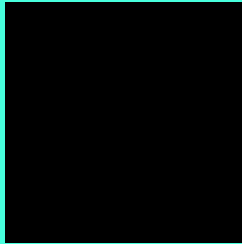
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

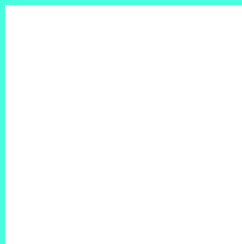
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4097, 78.0801, 80.7680

Background



This preview shows how black text looks on a background with the XYZ color 51.4097, 78.0801, 80.7680.

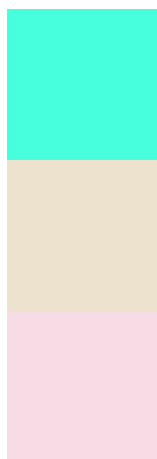


This preview shows how white text looks on a background with the XYZ color 51.4097, 78.0801,

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

51.4097, 78.0801, 80.7680

Protanopia

72.8079, 76.6334, 68.7119

Deuteranopia

78.0938, 76.6177, 84.8014



Tritanopia

63.4099, 77.2987, 106.1858

Trichromacy



Original Color

51.4097, 78.0801, 80.7680



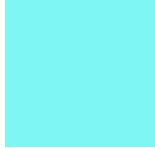
Protanomaly

59.9466, 74.5016, 72.8488



Deuteranomaly

62.3948, 73.8361, 82.9147



Tritanomaly

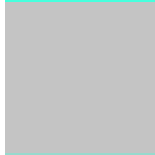
57.7376, 76.8182, 96.5783

Monochromacy



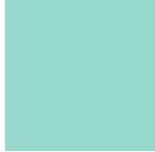
Original Color

51.4097, 78.0801, 80.7680



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.5948, 60.6128, 66.8958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4097, 78.0801, 80.7680 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(71, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 221)  
}
```

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(71, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.4097, 78.0801, 80.7680 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(71, 255, 221) }
```


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

```
.border{ border-color:rgb(71, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4097, 78.0801, 80.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 221) }
```

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

```
.background{ background-color: rgb(71, 255,  
221) }
```

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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