

Converting Colors

XYZ(50.0741, 77.8236, 52.5410)

Have a look what the booklet for
XYZ(50.0741, 77.8236, 52.5410)
contains.

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Color

**XYZ(50.2100, 78.0867,
52.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	71FFAE
RGB	113, 255, 174
RGB Percent	44%, 100%, 68%
CMY	0.5569, 0.0000, 0.3176
CMYK	0.56, 0.00, 0.32, 0.00
HSL	146°, 100%, 72%
HSV	146°, 56%, 100%
XYZ	50.2100, 78.0867, 52.4703
YIQ	203.3080, -58.6310, -55.2950

Conversions

Conversions Part 2

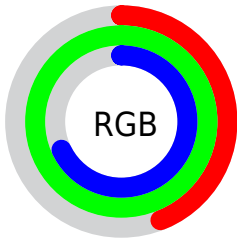
Format	Color
RYB	113, 212, 255
Decimal	7471022
CIELab	90.82, -56.24, 27.37
CIELCh	91, 62.544, 154.048
Yxy	78.0867, 0.2778, 0.4320
Android (android.graphics.Color)	4285661102 (0xFF71FFAE)
YUV	203.3080, -14.4488, -79.2001
Hunter-Lab	88.3667, -53.2179, 26.6515

Details

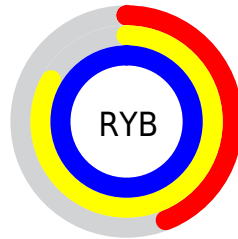
The XYZ color **50.2100, 78.0867, 52.4703** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.8830, 36.9658, 55.1759**, and the grayscale version is **57.0727, 60.0450, 65.3890**.

A 20% lighter version of the original color is **67.4985, 86.2318, 87.9498**, and **24.3723, 41.8052, 24.8738** is the 20% darker color. If you saturate the color by 10%, you get **46.0353, 76.0896, 45.2696**, and if you desaturate by 10%, it is **55.4609, 80.6208, 60.5256**.

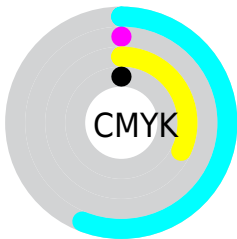
Distribution



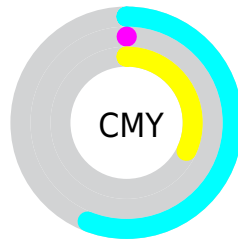
- Red (44%)
- Green (100%)
- Blue (68%)



- Red (44%)
- Yellow (83%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2100, 78.0867, 52.4703 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 50.2100, 78.0867, 52.4703 by changing the saturation by 10% instead.


 50.2100, 78.0867,
52.4703


 50.2100, 78.0867,
52.4703


377.9250,
488.4612, 413.2581


 35.7988, 58.1452,
36.9953


 89.6759, 130.6723,
95.2581

 24.4482, 41.9254,
24.9081


 115.4613,
164.0853, 123.4079

 15.7930, 29.0429,
15.7902


 145.7688,
202.7575, 156.6198

 9.4677, 19.1133,
9.2231

180.9637,
247.0733, 195.3122

 5.1070, 11.7521,
4.7882

221.4114,
297.4172, 239.9037

 2.3456, 6.5751,
2.0670

267.4773,

 0.8178, 3.1978,

354.1736, 290.8128

0.5960

319.5267,
417.7268, 348.4581

0.0000, 1.2359,
0.0000

0.0000, 0.0907,
0.0000

50.2100, 78.0867,
52.4703

50.2100, 78.0867,
52.4703

46.0353, 76.0896,
45.2696

55.4609, 80.6208,
60.5256

42.8508, 74.5858,
38.8903


61.8610, 83.7290,
69.4593


40.5591, 73.5257,
33.3023

69.4788, 87.4463,
79.2993

39.0400, 72.8479,
28.4717

78.3768, 91.8041,
90.0707

 38.5497, 72.6359,
26.6105

 88.6129, 96.8321,
101.7977

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.



58.5404, 78.0867, 31.5524



50.2100, 78.0867, 52.4703



47.9524, 78.0867, 91.2850

Triad

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



50.2100, 78.0867, 52.4703



76.3745, 78.0867, 204.0027



102.2061, 78.0867, 45.1623

Complementary

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



50.2100, 78.0867, 52.4703



56.8830, 36.9658, 55.1759

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.



108.6618, 78.0867, 79.0544



50.2100, 78.0867, 52.4703



92.4735, 78.0867, 178.8843

Square

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



50.2100, 78.0867, 52.4703



61.7541, 78.0867, 189.1123



104.8715, 78.0867, 128.8433



88.2577, 78.0867, 28.4992

Rectangle

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



50.2100, 78.0867, 52.4703



49.8832, 78.0867, 125.4308



104.8715, 78.0867, 128.8433



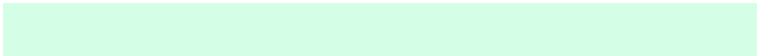
105.4075, 78.0867, 54.3848

Sweetspot

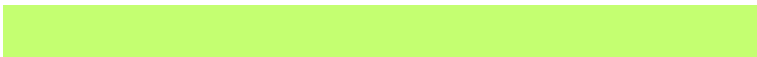
The Sweet Spot groups the original color and five complimentary colors.



50.2106, 78.0870, 52.4716



77.1318, 91.1936, 88.6006



61.4626, 84.4259, 28.6799



16.1117, 19.3242, 18.4901



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.



50.2106, 78.0870, 52.4716



45.5620, 75.8647, 44.3846



58.7732, 81.5120, 97.5619



18.0955, 20.2977, 20.8058



20.2144, 37.9823, 14.2802



2.0217, 3.7196, 1.6719

Inverse Universe

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



56.8830, 36.9658, 55.1759



52.8247, 30.9851, 47.2390



50.8366, 34.5473, 23.3359



18.4436, 18.1607, 20.9530



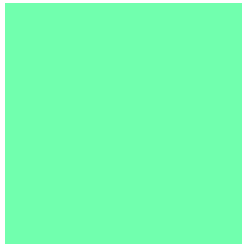
24.3140, 12.2149, 15.5701



2.4222, 1.2112, 1.8045

Previews

White Background



This preview shows how the XYZ color 50.2100, 78.0867, 52.4703 looks on a white background.

Color Contrast Check

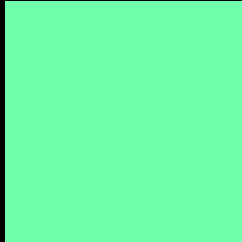
Large Text (above 18pt) WCAG AA × Fail

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 50.2100, 78.0867, 52.4703 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 50.2100, 78.0867, 52.4703

Background



This preview shows how black text looks on a background with the XYZ color 50.2100, 78.0867, 52.4703.

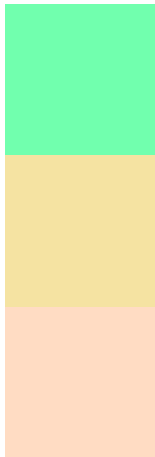


This preview shows how white text looks on a background with the XYZ color 50.2100, 78.0867,

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

50.2100, 78.0867, 52.4703

Protanopia

71.6469, 76.9593, 45.2609

Deuteranopia

76.6835, 76.3865, 62.3322



Tritanopia

64.9360, 77.6472, 106.1727

Trichromacy



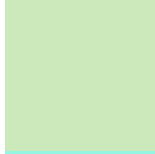
Original Color

50.2100, 78.0867, 52.4703



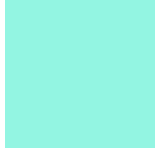
Protanomaly

60.1931, 75.1919, 47.4174



Deuteranomaly

62.7372, 74.5622, 58.0991



Tritanomaly

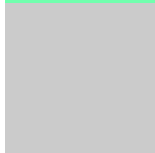
58.4125, 76.9988, 83.7351

Monochromacy



Original Color

50.2100, 78.0867, 52.4703



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.2133, 64.5944, 59.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2100, 78.0867, 52.4703 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(113, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 174)  
}
```

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(113, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 174) }
```

Border

The CSS property to change the border of an element to XYZ 50.2100, 78.0867, 52.4703 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(113, 255, 174) }
```


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

```
.border{ border-color:rgb(113, 255, 174) }
```

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

Here you see how a box with a 4 pixel rgb(113, 255, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2100, 78.0867, 52.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 174) }
```

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

```
.background{ background-color: rgb(113,  
255, 174) }
```

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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