

Converting Colors

XYZ(52.1175, 78.7242, 68.1841)

Have a look what the booklet for
XYZ(52.1175, 78.7242, 68.1841)
contains.

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Color

**XYZ(52.1296, 78.7273,
68.3255)**

Conversions

Conversions Part 1

Format	Color
Hex	68FFCA
RGB	104, 255, 202
RGB Percent	41%, 100%, 79%
CMY	0.5921, 0.0000, 0.2078
CMYK	0.59, 0.00, 0.21, 0.00
HSL	159°, 100%, 70%
HSV	159°, 59%, 100%
XYZ	52.1296, 78.7273, 68.3255
YIQ	203.8090, -72.9830, -48.4950

Conversions

Conversions Part 2

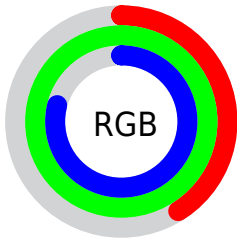
Format	Color
RYB	104, 196, 255
Decimal	6881226
CIELab	91.11, -52.41, 13.45
CIELCh	91, 54.104, 165.609
Yxy	78.7273, 0.2617, 0.3953
Android (android.graphics.Color)	4285071306 (0xFF68FFCA)
YUV	203.8090, -0.8918, -87.5325
Hunter-Lab	88.7284, -50.4026, 16.4535

Details

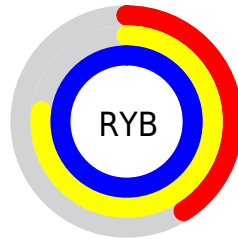
The XYZ color **52.1296, 78.7273, 68.3255** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.2768, 33.5960, 35.6288**, and the grayscale version is **57.3127, 60.2975, 65.6639**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **25.5801, 42.2091, 34.8159** is the 20% darker color. If you saturate the color by 10%, you get **48.5748, 77.0137, 62.7874**, and if you desaturate by 10%, it is **56.6420, 80.9275, 74.2320**.

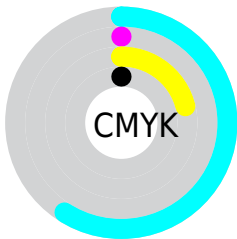
Distribution



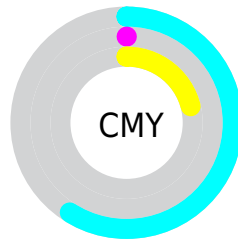
- Red (41%)
- Green (100%)
- Blue (79%)



- Red (41%)
- Yellow (77%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1296, 78.7273, 68.3255 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 52.1296, 78.7273, 68.3255 by changing the saturation by 10% instead.


 52.1296, 78.7273,
68.3255


 52.1296, 78.7273,
68.3255


385.2525,
490.6333, 473.2778


 37.3331, 58.6716,
49.6942

 92.4954, 131.5749,
118.4763

 25.6403, 42.3488,
34.8010


 118.7955,
165.1356, 150.8329

 16.6860, 29.3745,
23.2273

 149.6607,
203.9667, 188.6017

 10.1048, 19.3643,
14.5546

185.4565,
248.4528, 232.2013

 5.5313, 11.9338,
8.3642

226.5482,
298.9780, 282.0501

 2.6002, 6.6986,
4.2378

273.3012,

 0.9460, 3.2744,

355.9270, 338.5668

1.7567

326.0809,
419.6839, 402.1698

0.0000, 1.2766,
0.3992

0.0000, 0.1230,
0.0000

52.1296, 78.7273,
68.3255

52.1296, 78.7273,
68.3255

48.5748, 77.0137,
62.7874

56.6420, 80.9275,
74.2320

45.8908, 75.7420,
57.6043

62.1838, 83.6512,
80.5114

43.9782, 74.8611,
52.7672

68.8224, 86.9329,
87.1735

42.6865, 74.2935,
48.2635

76.6186, 90.8040,
94.2261

■ 42.5969, 74.2548,
47.9227

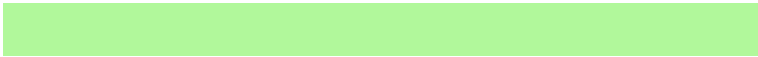
■ 85.6286, 95.2932,
101.6766

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.



57.5599, 78.7273, 43.0795



52.1296, 78.7273, 68.3255



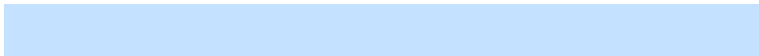
52.2433, 78.7273, 107.6320

Triad

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



52.1296, 78.7273, 68.3255



82.1317, 78.7273, 180.6833



94.7809, 78.7273, 42.3681

Complementary

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



52.1296, 78.7273, 68.3255



52.2768, 33.5960, 35.6288

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.



103.1318, 78.7273, 67.0052



52.1296, 78.7273, 68.3255



95.2443, 78.7273, 149.9655

Square

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



52.1296, 78.7273, 68.3255



68.4781, 78.7273, 181.3651



103.3111, 78.7273, 105.8428



81.5587, 78.7273, 31.4942

Rectangle

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



52.1296, 78.7273, 68.3255



55.4132, 78.7273, 137.4956



103.3111, 78.7273, 105.8428



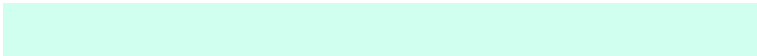
98.3182, 78.7273, 48.9113

Sweetspot

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



52.1304, 78.7277, 68.3269



77.6465, 91.3154, 95.1091



52.6304, 79.9283, 25.7518



16.0985, 19.2861, 19.9063



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

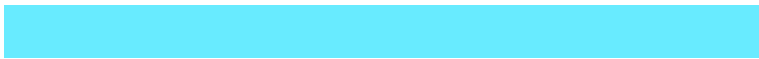
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.1304, 78.7277, 68.3269



48.0341, 76.7554, 61.8358



53.4298, 69.5040, 105.2073



18.2682, 20.3668, 21.7154



22.3313, 38.8291, 25.4274



2.2261, 3.8014, 2.7487

Inverse Universe

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



52.2768, 33.5960, 35.6288



48.2365, 27.9713, 26.7108



50.9638, 36.7093, 17.4975



18.2726, 18.0924, 20.0528



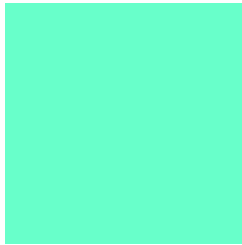
22.5657, 11.5156, 6.3635



2.2466, 1.1410, 0.8800

Previews

White Background



This preview shows how the XYZ color 52.1296, 78.7273, 68.3255 looks on a white background.

Color Contrast Check

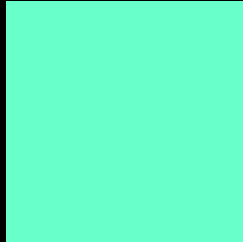
Large Text (above 18pt) WCAG AA × Fail

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 52.1296, 78.7273, 68.3255 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

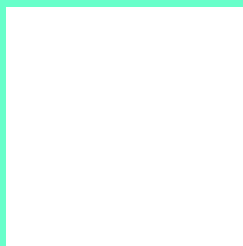
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1296, 78.7273, 68.3255

Background



This preview shows how black text looks on a background with the XYZ color 52.1296, 78.7273, 68.3255.

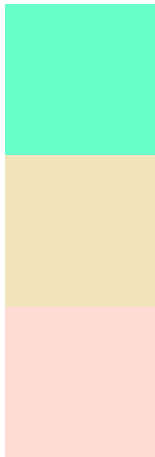


This preview shows how white text looks on a background with the XYZ color 52.1296, 78.7273,

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

52.1296, 78.7273, 68.3255

Protanopia

72.8218, 77.2698, 58.6534

Deuteranopia

78.5911, 77.1495, 72.3772



Tritanopia

65.2312, 78.2376, 106.2711

Trichromacy



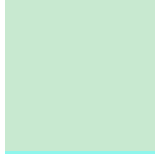
Original Color

52.1296, 78.7273, 68.3255



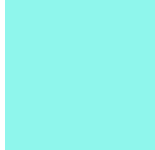
Protanomaly

61.3957, 75.4950, 61.7882



Deuteranomaly

64.3435, 75.1113, 70.7812



Tritanomaly

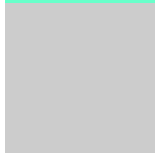
59.4238, 77.8073, 91.2432

Monochromacy



Original Color

52.1296, 78.7273, 68.3255



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.3156, 65.4120, 66.3157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1296, 78.7273, 68.3255 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(104, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 202)  
}
```

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(104, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 52.1296, 78.7273, 68.3255 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(104, 255, 202) }
```


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

```
.border{ border-color:rgb(104, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1296, 78.7273, 68.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 202) }
```

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

```
.background{ background-color: rgb(104,  
255, 202) }
```

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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