

Converting Colors

XYZ(50.9944, 32.7258, 98.2368)

Have a look what the booklet for
XYZ(50.9944, 32.7258, 98.2368)
contains.

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Color

**XYZ(50.9955, 32.8054,
98.2521)**

Conversions

Conversions Part 1

Format	Color
Hex	D470FF
RGB	212, 112, 255
RGB Percent	83%, 44%, 100%
CMY	0.1686, 0.5608, 0.0000
CMYK	0.17, 0.56, 0.00, 0.00
HSL	282°, 100%, 72%
HSV	282°, 56%, 100%
XYZ	50.9955, 32.8054, 98.2521
YIQ	158.2020, 13.6970, 65.6730

Conversions

Conversions Part 2

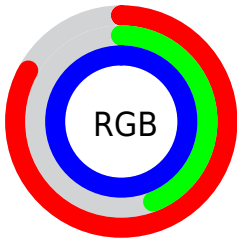
Format	Color
RYB	212, 112, 255
Decimal	13922559
CIELab	64.00, 61.45, -55.33
CIELCh	64, 82.688, 317.999
Yxy	32.8054, 0.2801, 0.1802
Android (android.graphics.Color)	4292112639 (0xFFD470FF)
YUV	158.2020, 47.7214, 47.1808
Hunter-Lab	57.2760, 58.6939, -61.6137

Details

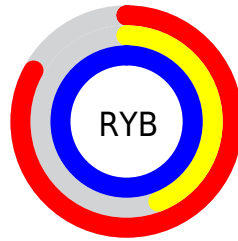
The XYZ color **50.9955, 32.8054, 98.2521** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **52.2029, 79.6587, 27.9548**, and the grayscale version is **32.3782, 34.0643, 37.0961**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **24.9826, 13.8735, 54.7872** is the 20% darker color. If you saturate the color by 10%, you get **46.4119, 26.8411, 97.3424**, and if you desaturate by 10%, it is **56.4829, 40.4193, 99.4325**.

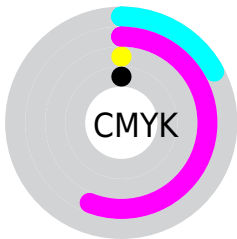
Distribution



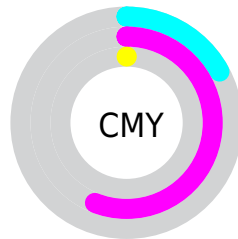
- Red (83%)
- Green (44%)
- Blue (100%)



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



- Cyan (17%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9955, 32.8054, 98.2521 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 50.9955, 32.8054, 98.2521 by changing the saturation by 10% instead.


 50.9955, 32.8054,
98.2521

 50.9955, 32.8054,
98.2521


380.9343,
314.7719, 575.7728

 36.4261, 21.9774,
74.2329


 90.8312, 64.0716,
160.7840

 24.9351, 13.8403,
54.4867


 116.8281, 85.2786,
200.1337

 16.1571, 8.0097,
38.5951


 147.3649,
110.7140, 245.4306

 9.7270, 4.1011,
26.1395

182.8069,
140.7623, 297.0933

 5.2792, 1.7303,
16.7013

223.5195,
175.8079, 355.5404

 2.4484, 0.4432,
9.8621

269.8680,

 0.8693, 0.0000,

216.2351, 421.1903

5.2032

322.2178,
262.4283, 494.4616

■ 0.0000, 0.0000,
2.3062

■ 0.0000, 0.0000,
0.7347

■ 50.9955, 32.8054,
98.2521

■ 50.9955, 32.8054,
98.2521

■ 46.4119, 26.8411,
97.3424

■ 56.4829, 40.4193,
99.4325

■ 42.6578, 22.3834,
96.6798

■ 62.9331, 49.8018,
100.9035

■ 39.6521, 19.2707,
96.2375

■ 70.4038, 61.0654,
102.6839

■ 37.2925, 17.3011,
95.9816

■ 78.9470, 74.3119,
104.7904

■ 36.4844, 16.7233,
95.9127

■ 88.6109, 89.6357,
107.2389

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.



38.6375, 32.8054, 138.2649



50.9955, 32.8054, 98.2521



58.6684, 32.8054, 50.8110

Triad

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



50.9955, 32.8054, 98.2521



36.0809, 32.8054, 2.5279



14.3433, 32.8054, 59.4723

Complementary

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



50.9955, 32.8054, 98.2521



52.2029, 79.6587, 27.9548

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.



13.9844, 32.8054, 23.9580



50.9955, 32.8054, 98.2521



24.7506, 32.8054, 2.8374

Square

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



50.9955, 32.8054, 98.2521



48.7266, 32.8054, 6.0906



17.3059, 32.8054, 7.6719



18.4510, 32.8054, 107.8801

Rectangle

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



50.9955, 32.8054, 98.2521



59.0840, 32.8054, 27.5057



17.3059, 32.8054, 7.6719



13.8256, 32.8054, 45.4245

Sweetspot

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



50.9967, 32.8067, 98.2522



78.1120, 73.0032, 104.5818



36.8381, 34.8760, 99.3979



16.3373, 15.0292, 22.2898



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.



50.9967, 32.8067, 98.2522



46.0316, 26.3686, 97.2713



61.1474, 38.4944, 78.1782



18.2297, 18.0102, 22.7654



19.2220, 8.8198, 50.1239



1.9821, 0.9158, 4.8856

Inverse Universe

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



52.9512, 35.2159, 35.0178



48.8321, 29.3880, 26.2141



47.0461, 76.8064, 36.4740



18.2341, 18.0770, 19.8502



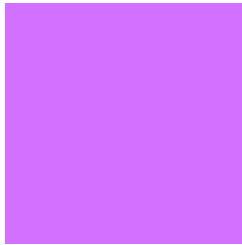
22.3000, 11.4093, 4.9645



2.2171, 1.1292, 0.7248

Previews

White Background



This preview shows how the XYZ color 50.9955, 32.8054, 98.2521 looks on a white background.

Color Contrast Check

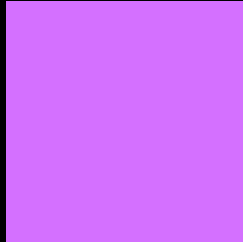
Large Text (above 18pt) WCAG AA × Fail

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 50.9955, 32.8054, 98.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

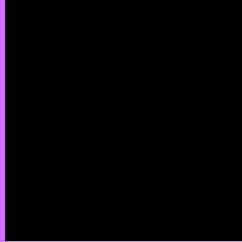
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9955, 32.8054, 98.2521

Background



This preview shows how black text looks on a background with the XYZ color 50.9955, 32.8054, 98.2521.



This preview shows how white text looks on a background with the XYZ color 50.9955, 32.8054,

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

50.9955, 32.8054, 98.2521

Protanopia

35.9603, 33.1212, 99.1055

Deuteranopia

34.2188, 33.1011, 92.5813



Tritanopia

37.6481, 32.6939, 33.1805

Trichromacy



Original Color

50.9955, 32.8054, 98.2521

Protanomaly

39.2084, 31.4072, 98.6034

Deuteranomaly

37.8156, 31.2070, 94.4729

Tritanomaly

41.4169, 32.1527, 51.6001

Monochromacy



Original Color

50.9955, 32.8054, 98.2521

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

37.5106, 32.3650, 54.7221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9955, 32.8054, 98.2521 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(212, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 112, 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(212, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.9955, 32.8054, 98.2521 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(212, 112, 255) }
```


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

```
.border{ border-color:rgb(212, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9955, 32.8054, 98.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 112, 255) }
```

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

```
.background{ background-color: rgb(212,  
112, 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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