

# Converting Colors

XYZ(53.0714, 37.3203,  
103.3794)

Have a look what the booklet for  
XYZ(53.0714, 37.3203, 103.3794)  
contains.

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# Color

**XYZ(52.1787, 36.8625,  
98.9728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D083FF
RGB	208, 131, 255
RGB Percent	82%, 51%, 100%
CMY	0.1843, 0.4863, 0.0000
CMYK	0.18, 0.49, 0.00, 0.00
HSL	277°, 100%, 76%
HSV	277°, 49%, 100%
XYZ	52.1787, 36.8625, 98.9728
YIQ	168.1590, 6.0880, 54.8880

# Conversions

## Conversions Part 2

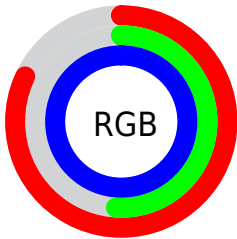
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 131, 255
Decimal	13665279
CIE Lab	67.17, 50.90, -50.34
CIE LCh	67, 71.585, 315.319
Yxy	36.8625, 0.2775, 0.1961
Android (android.graphics.Color)	4291855359 (0xFFD083FF)
YUV	168.1590, 42.8126, 34.9406
Hunter-Lab	60.7145, 47.1545, -54.1505

# Details

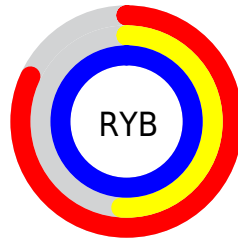
The XYZ color **52.1787, 36.8625, 98.9728** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **58.2175, 82.6240, 34.3538**, and the grayscale version is **37.0930, 39.0248, 42.4980**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **25.6799, 16.1053, 55.1812** is the 20% darker color. If you saturate the color by 10%, you get **46.5308, 29.4778, 97.8451**, and if you desaturate by 10%, it is **58.8374, 46.0207, 100.3896**.

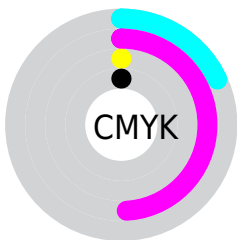
# Distribution



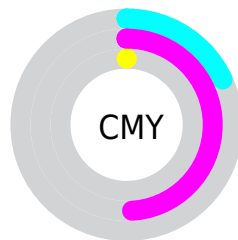
- Red (82%)
- Green (51%)
- Blue (100%)



- Red (82%)
- Yellow (51%)
- Blue (100%)



- Cyan (18%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (49%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1787, 36.8625, 98.9728 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 52.1787, 36.8625, 98.9728 by changing the saturation by 10% instead.




 52.1787, 36.8625,  
98.9728


 52.1787, 36.8625,  
98.9728


385.4387,  
332.7148, 578.1129

 37.3724, 25.1010,  
74.8309


 92.5674, 70.3613,  
161.7844

 25.6709, 16.1524,  
54.9734


 118.8805, 92.8674,  
201.2911

 16.7090, 9.6320,  
38.9820


 149.7599,  
119.7238, 246.7566

 10.1213, 5.1557,  
26.4380

185.5709,  
151.3150, 298.5992

 5.5423, 2.3389,  
16.9229

226.6790,  
188.0253, 357.2376

 2.6068, 0.7942,  
10.0182

273.4494,

 0.9494, 0.0000,

230.2391, 423.0904

5.3052

326.2475,  
278.3408, 496.5759

■ 0.0000, 0.0000,  
2.3656

■ 0.0000, 0.0000,  
0.7676

■ 52.1787, 36.8625,  
98.9728

■ 52.1787, 36.8625,  
98.9728

■ 46.5308, 29.4778,  
97.8451

■ 58.8374, 46.0207,  
100.3896

■ 41.8240, 23.7349,  
96.9847

■ 66.5624, 57.0626,  
102.1137

■ 37.9848, 19.4901,  
96.3677

■ 75.4095, 70.0944,  
104.1628

■ 34.9251, 16.5718,  
95.9657

■ 85.4291, 85.2131,  
106.5529

■ 32.5207, 14.7364,  
95.7381

95.0500, 100.0000,  
108.9000

■ 32.2193, 14.5245,  
95.7131

# Harmonies

## Analogous

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



40.8792, 36.8625, 130.4982



52.1787, 36.8625, 98.9728



59.5133, 36.8625, 57.3787

# Triad

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



52.1787, 36.8625, 98.9728



40.6294, 36.8625, 5.5501



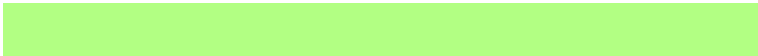
18.4426, 36.8625, 58.2035

# Complementary

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



52.1787, 36.8625, 98.9728



58.2175, 82.6240, 34.3538

# 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.



18.4032, 36.8625, 26.7497



52.1787, 36.8625, 98.9728



29.7792, 36.8625, 5.5966

# Square

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



52.1787, 36.8625, 98.9728



51.9634, 36.8625, 10.7733



22.1321, 36.8625, 10.9716



22.2541, 36.8625, 99.8397



# Rectangle

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



52.1787, 36.8625, 98.9728



60.3641, 36.8625, 34.8187



22.1321, 36.8625, 10.9716



18.0187, 36.8625, 45.9710

# Sweetspot

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



52.1800, 36.8639, 98.9730



78.9044, 75.3302, 104.9892



43.4379, 44.1001, 100.8305



16.4498, 15.4650, 22.3680



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.



52.1800, 36.8639, 98.9730



46.8560, 29.8905, 97.9076



65.1645, 43.8167, 87.8774



18.0866, 17.9364, 22.7587



17.0066, 7.6777, 50.0202



1.7774, 0.8102, 4.8760



# Inverse Universe

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



57.3929, 40.7081, 46.9528



53.1331, 34.4463, 38.5728



50.2679, 78.4045, 39.4628



18.2942, 18.1010, 20.1664



22.7345, 11.5831, 7.2523

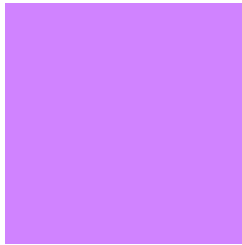


2.2647, 1.1483, 0.9753



# Previews

## White Background



This preview shows how the XYZ color 52.1787, 36.8625, 98.9728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

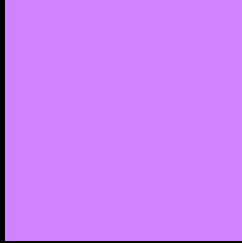
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1787, 36.8625, 98.9728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

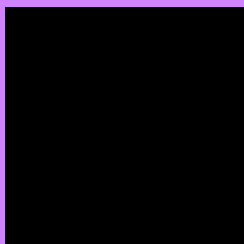
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.1787, 36.8625, 98.9728**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1787, 36.8625, 98.9728.



This preview shows how white text looks on a background with the XYZ color 52.1787, 36.8625,



# 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

52.1787, 36.8625, 98.9728

### Protanopia

39.6970, 37.2989, 99.7149

### Deuteranopia

38.3645, 37.2449, 94.7895



## Tritanopia

40.3402, 36.9321, 40.1244

# Trichromacy



## Original Color

52.1787, 36.8625, 98.9728



## Protanomaly

42.8610, 36.2008, 99.3362



## Deuteranomaly

41.8056, 35.9683, 96.0060



## Tritanomaly

43.7566, 36.4241, 57.5477

# Monochromacy



## Original Color

52.1787, 36.8625, 98.9728



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

41.6751, 37.6801, 59.7201

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1787, 36.8625, 98.9728 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(208, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 131, 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(208, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 131, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1787, 36.8625, 98.9728 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(208, 131, 255) }
```



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

```
.border{ border-color:rgb(208, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 131,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1787, 36.8625, 98.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 131, 255) }
```

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

```
.background{ background-color: rgb(208,  
131, 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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