

# Converting Colors

XYZ(54.8794, 37.1784,  
100.3632)

Have a look what the booklet for  
XYZ(54.8794, 37.1784, 100.3632)  
contains.

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# Color

**XYZ(54.7243, 37.2018,  
98.9041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB7EFF
RGB	219, 126, 255
RGB Percent	86%, 49%, 100%
CMY	0.1412, 0.5059, 0.0000
CMYK	0.14, 0.51, 0.00, 0.00
HSL	283°, 100%, 75%
HSV	283°, 51%, 100%
XYZ	54.7243, 37.2018, 98.9041
YIQ	168.5130, 14.0190, 59.8350

# Conversions

## Conversions Part 2

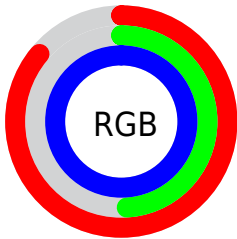
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 126, 255
Decimal	14384895
CIE Lab	67.43, 56.35, -49.85
CIE LCh	67, 75.240, 318.504
Yxy	37.2018, 0.2868, 0.1949
Android (android.graphics.Color)	4292574975 (0xFFDB7EFF)
YUV	168.5130, 42.6381, 44.2771
Hunter-Lab	60.9933, 53.4153, -53.4468

# Details

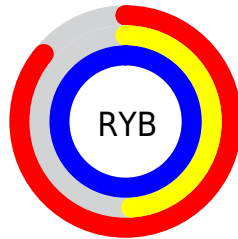
The XYZ color **54.7243, 37.2018, 98.9041** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **54.4269, 80.7081, 32.4498**, and the grayscale version is **37.2648, 39.2055, 42.6948**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **27.2083, 16.2890, 55.1361** is the 20% darker color. If you saturate the color by 10%, you get **49.7744, 30.4116, 97.8544**, and if you desaturate by 10%, it is **60.5992, 45.7039, 100.2355**.

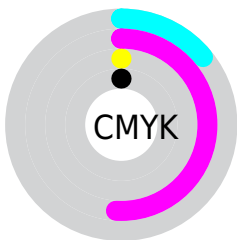
# Distribution



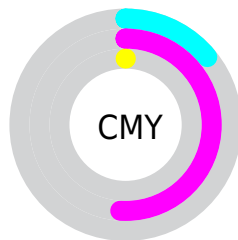
- Red (86%)
- Green (49%)
- Blue (100%)



- Red (86%)
- Yellow (49%)
- Blue (100%)



- Cyan (14%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (51%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7243, 37.2018, 98.9041 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 54.7243, 37.2018, 98.9041 by changing the saturation by 10% instead.





 54.7243, 37.2018,  
98.9041


 54.7243, 37.2018,  
98.9041


395.0194,  
334.1834, 577.8900


 39.4140, 25.3638,  
74.7738

 96.2876, 70.8830,  
161.6891

 27.2641, 16.3483,  
54.9270


 123.2713, 93.4951,  
201.1809

 17.9093, 9.7709,  
38.9451


 154.8768,  
120.4672, 246.6303

 10.9842, 5.2474,  
26.4095

191.4695,  
152.1838, 298.4558

 6.1234, 2.3931,  
16.9017

233.4148,  
189.0294, 357.0760

 2.9616, 0.8223,  
10.0032

281.0779,

 1.1335, 0.0000,

231.3882, 422.9094

5.2955

334.8244,  
279.6447, 496.3745

■ 0.0529, 0.0000,  
2.3599

■ 0.0000, 0.0000,  
0.7645

■ 54.7243, 37.2018,  
98.9041

■ 54.7243, 37.2018,  
98.9041

■ 49.7744, 30.4116,  
97.8544

■ 60.5992, 45.7039,  
100.2355

■ 45.6799, 25.1993,  
97.0641

■ 67.4539, 56.0292,  
101.8672

■ 42.3672, 21.4179,  
96.5088

■ 75.3434, 68.2849,  
103.8170

■ 39.7466, 18.8901,  
96.1590

■ 84.3172, 82.5684,  
106.1010

■ 37.7788, 17.3906,  
95.9733

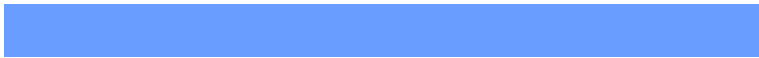
94.4214, 98.9704,  
108.7344

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.



42.8812, 37.2018, 135.6277



54.7243, 37.2018, 98.9041



61.8727, 37.2018, 54.5413

# Triad

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



54.7243, 37.2018, 98.9041



39.9696, 37.2018, 4.6906



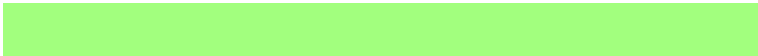
18.2118, 37.2018, 64.2140

# Complementary

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



54.7243, 37.2018, 98.9041



54.4269, 80.7081, 32.4498

# 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.



17.7644, 37.2018, 29.1129



54.7243, 37.2018, 98.9041



28.7727, 37.2018, 5.1848

# Square

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



54.7243, 37.2018, 98.9041



52.1975, 37.2018, 9.1137



21.2045, 37.2018, 11.3009



22.5981, 37.2018, 109.2044



# Rectangle

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



54.7243, 37.2018, 98.9041



62.1654, 37.2018, 31.8151



21.2045, 37.2018, 11.3009



17.6375, 37.2018, 50.6519

# Sweetspot

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



54.7256, 37.2033, 98.9043



80.2199, 76.0084, 105.0508



39.6728, 37.6920, 99.7920



16.7679, 15.6290, 22.3829



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.



54.7256, 37.2033, 98.9043



49.5885, 30.1657, 97.8167



62.5736, 41.7317, 77.4670



18.2695, 18.0307, 22.7673



19.8929, 9.1656, 50.1553



2.0432, 0.9472, 4.8884



# Inverse Universe

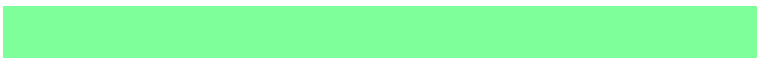
The Inverse Universe completely reimagines the original color for something new.



55.2232, 38.7916, 38.7603



50.6918, 32.2481, 29.4829



50.1937, 78.2875, 43.0171



18.2177, 18.0704, 19.7634



22.1999, 11.3693, 4.4374

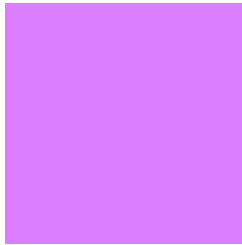


2.2056, 1.1246, 0.6641



# Previews

## White Background



This preview shows how the XYZ color 54.7243, 37.2018, 98.9041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

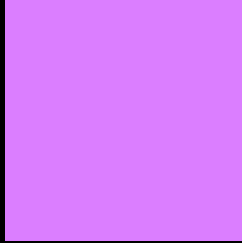
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.7243, 37.2018, 98.9041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

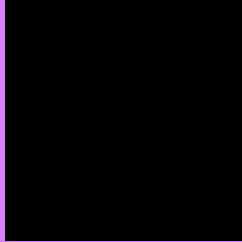
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.7243, 37.2018, 98.9041**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7243, 37.2018, 98.9041.



This preview shows how white text looks on a background with the XYZ color 54.7243, 37.2018,



# 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

54.7243, 37.2018, 98.9041

### Protanopia

40.0236, 37.7278, 99.7805

### Deuteranopia

38.6762, 37.6882, 94.0430



## Tritanopia

42.3573, 37.0472, 38.6366

# Trichromacy



## Original Color

54.7243, 37.2018, 98.9041



## Protanomaly

43.6977, 36.3963, 99.3298



## Deuteranomaly

42.6170, 36.1487, 95.9980



## Tritanomaly

45.9535, 36.6915, 56.2899

# Monochromacy



## Original Color

54.7243, 37.2018, 98.9041



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

42.3101, 37.5174, 59.6552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7243, 37.2018, 98.9041 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(219, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 126, 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(219, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 126, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7243, 37.2018, 98.9041 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(219, 126, 255) }
```



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

```
.border{ border-color:rgb(219, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 126,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7243, 37.2018, 98.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 126, 255) }
```

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

```
.background{ background-color: rgb(219,  
126, 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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