

Converting Colors

XYZ(65.7447, 41.4499,
167.0938)

Have a look what the booklet for
XYZ(65.7447, 41.4499, 167.0938)
contains.

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Color

**XYZ(52.6622, 36.1388,
98.8076)**

Conversions

Conversions Part 1

Format	Color
Hex	D47EFF
RGB	212, 126, 255
RGB Percent	83%, 49%, 100%
CMY	0.1686, 0.5059, 0.0000
CMYK	0.17, 0.51, 0.00, 0.00
HSL	280°, 100%, 75%
HSV	280°, 51%, 100%
XYZ	52.6622, 36.1388, 98.8076
YIQ	166.4200, 9.8470, 58.3510

Conversions

Conversions Part 2

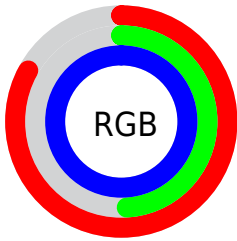
Format	Color
R _Y B	212, 126, 255
Decimal	13926143
CIE Lab	66.63, 54.52, -51.17
CIE LCh	67, 74.774, 316.815
Yxy	36.1388, 0.2807, 0.1926
Android (android.graphics.Color)	4292116223 (0xFFD47EFF)
YUV	166.4200, 43.6699, 39.9737
Hunter-Lab	60.1156, 51.1667, -55.3698

Details

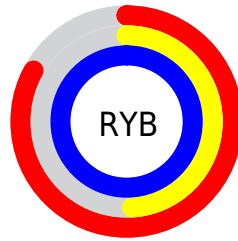
The XYZ color **52.6622, 36.1388, 98.8076** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **55.8888, 81.4617, 32.5182**, and the grayscale version is **36.2418, 38.1292, 41.5227**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **26.0932, 15.8109, 55.1026** is the 20% darker color. If you saturate the color by 10%, you get **47.4214, 29.1986, 97.7442**, and if you desaturate by 10%, it is **58.8654, 44.8101, 100.1544**.

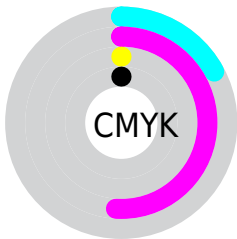
Distribution



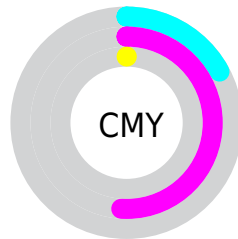
- Red (83%)
- Green (49%)
- Blue (100%)



- Red (83%)
- Yellow (49%)
- Blue (100%)



- Cyan (17%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6622, 36.1388, 98.8076 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 52.6622, 36.1388, 98.8076 by changing the saturation by 10% instead.


 52.6622, 36.1388,
98.8076


 52.6622, 36.1388,
98.8076


387.2699,
329.5668, 577.5769


 37.7596, 24.5414,
74.6938

 93.2756, 69.2462,
161.5551

 25.9725, 15.7357,
54.8618


 119.7170, 91.5251,
201.0259

 16.9356, 9.3373,
38.8933


 150.7355,
118.1332, 246.4528

 10.2836, 4.9619,
26.3695

186.6962,
149.4550, 298.2542

 5.6511, 2.2249,
16.8720

227.9647,
185.8749, 356.8488

 2.6728, 0.7335,
9.9823

274.9062,

 0.9832, 0.0000,

227.7772, 422.6551

5.2818

327.8862,
275.5464, 496.0916

■ 0.0000, 0.0000,
2.3519

■ 0.0000, 0.0000,
0.7601

■ 52.6622, 36.1388,
98.8076

■ 52.6622, 36.1388,
98.8076

■ 47.4214, 29.1986,
97.7442

■ 58.8654, 44.8101,
100.1544

■ 43.0727, 23.8552,
96.9421

■ 66.0867, 55.3244,
101.8033

■ 39.5416, 19.9612,
96.3766

■ 74.3819, 67.7892,
103.7720

■ 36.7375, 17.3388,
96.0182

■ 83.8012, 82.3024,
106.0769

■ 34.6279, 15.7662,
95.8258

94.3916, 98.9551,
108.7330

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.



40.9953, 36.1388, 133.4525



52.6622, 36.1388, 98.8076



60.0130, 36.1388, 55.2415

Triad

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



52.6622, 36.1388, 98.8076



39.5237, 36.1388, 4.5997



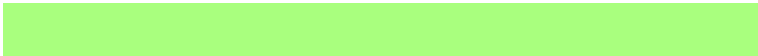
17.5223, 36.1388, 60.1328

Complementary

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



52.6622, 36.1388, 98.8076



55.8888, 81.4617, 32.5182

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.



17.2968, 36.1388, 26.8406



52.6622, 36.1388, 98.8076



28.4626, 36.1388, 4.8469

Square

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



52.6622, 36.1388, 98.8076



51.3841, 36.1388, 9.2551



20.8654, 36.1388, 10.3535



21.5683, 36.1388, 104.0245

Rectangle

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



52.6622, 36.1388, 98.8076



60.6206, 36.1388, 32.4448



20.8654, 36.1388, 10.3535



17.0339, 36.1388, 47.1692

Sweetspot

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



52.6635, 36.1402, 98.8078



79.5024, 75.6385, 105.0172



40.8434, 40.0330, 100.1822



16.5943, 15.5395, 22.3748



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.



52.6635, 36.1402, 98.8078



47.2243, 28.9469, 97.7061



63.4811, 42.0947, 82.2456



18.1699, 17.9793, 22.7626



18.2588, 8.3232, 50.0788



1.8938, 0.8702, 4.8814

Inverse Universe

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



55.8631, 39.0475, 42.1298



51.3548, 32.5133, 32.9746



49.6709, 78.0784, 40.2642



18.2591, 18.0869, 19.9815



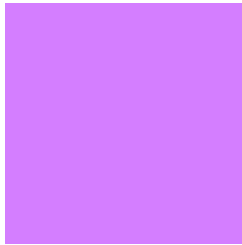
22.4671, 11.4761, 5.8441



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 52.6622, 36.1388, 98.8076 looks on a white background.

Color Contrast Check

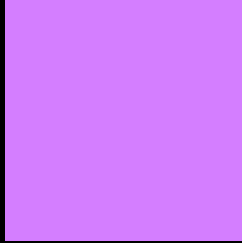
Large Text (above 18pt) WCAG AA × Fail

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 52.6622, 36.1388, 98.8076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

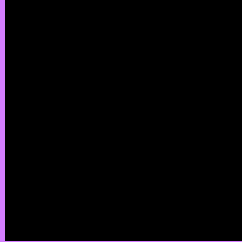
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6622, 36.1388, 98.8076

Background



This preview shows how black text looks on a background with the XYZ color 52.6622, 36.1388, 98.8076.



This preview shows how white text looks on a background with the XYZ color 52.6622, 36.1388,

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

52.6622, 36.1388, 98.8076

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

37.6093, 36.6110, 93.8913



Tritanopia

40.2064, 35.9384, 38.5359

Trichromacy



Original Color

52.6622, 36.1388, 98.8076



Protanomaly

42.3883, 35.2555, 99.1786



Deuteranomaly

41.2969, 35.2322, 95.8907

Tritanomaly

43.7323, 35.5464, 56.1860

Monochromacy



Original Color

52.6622, 36.1388, 98.8076



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

40.7881, 36.2777, 58.2786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6622, 36.1388, 98.8076 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, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.6622, 36.1388, 98.8076 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, 126, 255) }
```


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

```
.border{ border-color:rgb(212, 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(212, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6622, 36.1388, 98.8076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 126, 255) }
```

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

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