

Converting Colors

XYZ(48.4474, 38.8781,
130.3671)

Have a look what the booklet for
XYZ(48.4474, 38.8781, 130.3671)
contains.

XYZ(42.6047, 36.5465, 99.4164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.6047, 36.5465,
99.4164)**

Conversions

Conversions Part 1	
Format	Color
Hex	9A98FF
RGB	154, 152, 255
RGB Percent	60%, 60%, 100%
CMY	0.3961, 0.4039, 0.0000
CMYK	0.40, 0.40, 0.00, 0.00
HSL	241°, 100%, 80%
HSV	241°, 40%, 100%
XYZ	42.6047, 36.5465, 99.4164
YIQ	164.3400, -31.8710, 32.4570

Conversions

Conversions Part 2

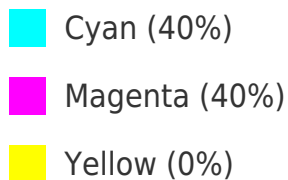
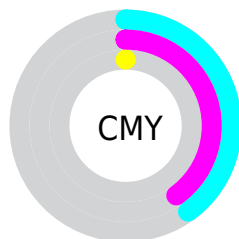
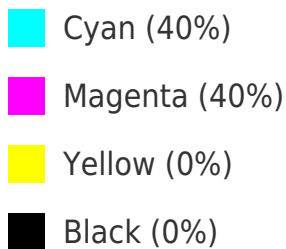
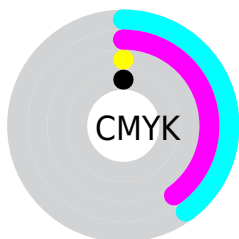
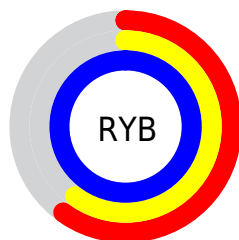
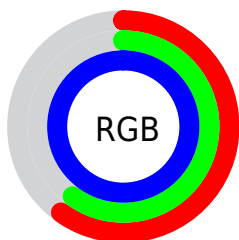
Format	Color
RYB	154, 152, 255
Decimal	10131711
CIELab	66.94, 25.18, -51.04
CIELCh	67, 56.907, 296.258
Yxy	36.5465, 0.2386, 0.2047
Android (android.graphics.Color)	4288321791 (0xFF9A98FF)
YUV	164.3400, 44.6954, -9.0682
Hunter-Lab	60.4537, 20.0038, -55.1851

Details

The XYZ color **42.6047, 36.5465, 99.4164** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.9349, 94.6693, 43.6614**, and the grayscale version is **35.2542, 37.0902, 40.3912**.

A 20% lighter version of the original color is **67.2727, 65.3597, 103.6778**, and **19.8837, 15.9812, 55.4628** is the 20% darker color. If you saturate the color by 10%, you get **34.6286, 26.9377, 97.9821**, and if you desaturate by 10%, it is **52.4641, 48.4479, 101.1940**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6047, 36.5465, 99.4164 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 42.6047, 36.5465, 99.4164 by changing the saturation by 10% instead.


 42.6047, 36.5465,
99.4164


 42.6047, 36.5465,
99.4164

347.9327,
331.3429, 579.5507

 29.7683, 24.8566,
75.1991


 78.3734, 69.8747,
162.3998

 19.8099, 15.9702,
55.2733

 102.0364, 92.2818,
202.0030

 12.3644, 9.5031,
39.2205


130.0390,
119.0301, 247.5719

 7.0663, 5.0708,
26.6221

162.7465,
150.5040, 299.5250

 3.5503, 2.2888,
17.0597

200.5242,
187.0878, 358.2809

 1.4510, 0.7678,
10.1147


243.7376,


 0.2921, 0.0000,

229.1659, 424.2581


5.3685


292.7520,
277.1229, 497.8752

 0.0000, 0.0000,
2.4025

 0.0000, 0.0000,
0.7878


 42.6047, 36.5465,
99.4164


 42.6047, 36.5465,
99.4164

 34.6286, 26.9377,
97.9821


 52.4641, 48.4479,
101.1940


 28.4124, 19.4707,
96.8685

 64.3120, 62.7723,
103.3344

 23.8241, 13.9825,
96.0510

 78.2506, 79.6446,
105.8564

 20.7114, 10.2853,
95.5014

 94.3737, 99.1802,
108.7774

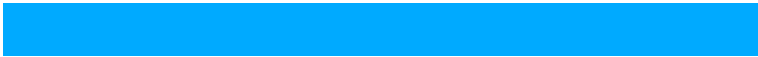
■ 18.8933, 8.1551, 95.0500, 100.0000,
95.1861 108.9000

■ 18.1120, 7.2520,
95.0529

Harmonies

Analogous

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



33.6650, 36.5465, 108.5212



42.6047, 36.5465, 99.4164



50.4377, 36.5465, 72.4458

Triad

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



42.6047, 36.5465, 99.4164



44.7896, 36.5465, 11.9181



20.6730, 36.5465, 36.7723

Complementary

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



42.6047, 36.5465, 99.4164



81.9349, 94.6693, 43.6614

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.



22.6872, 36.5465, 18.8072



42.6047, 36.5465, 99.4164



35.8302, 36.5465, 8.7193

Square

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



42.6047, 36.5465, 99.4164



51.8386, 36.5465, 22.2574



27.9018, 36.5465, 10.5834



21.8819, 36.5465, 64.7303

Rectangle

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



42.6047, 36.5465, 99.4164



53.4709, 36.5465, 52.1793



27.9018, 36.5465, 10.5834



20.9855, 36.5465, 29.5404

Sweetspot

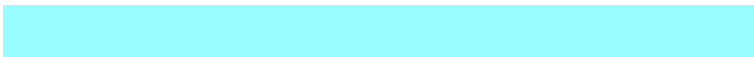
The Sweet Spot groups the original color and five complimentary colors.



42.6060, 36.5478, 99.4166



75.8630, 76.7533, 105.4242



66.2142, 84.3253, 107.3943



15.8317, 15.9367, 22.4916



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.



42.6060, 36.5478, 99.4166



36.3712, 29.0349, 98.2951



54.5156, 42.6874, 99.9740



17.0357, 17.3946, 22.7096



9.4781, 3.7966, 49.6679



0.9338, 0.3753, 4.8365

Inverse Universe

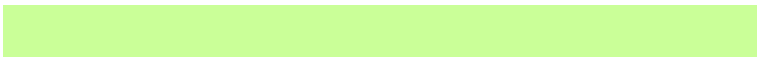
The Inverse Universe completely reimagines the original color for something new.



70.1979, 50.8090, 99.0340



67.2421, 44.9934, 97.7525



65.7266, 86.3136, 42.9029



18.7765, 18.2939, 22.7064



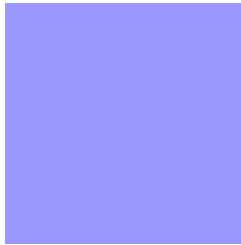
30.5755, 14.7195, 48.5426



2.9817, 1.4351, 4.7511

Previews

White Background



This preview shows how the XYZ color 42.6047, 36.5465, 99.4164 looks on a white background.

Color Contrast Check

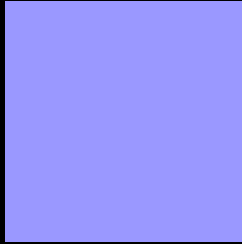
Large Text (above 18pt) WCAG AA × Fail

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 42.6047, 36.5465, 99.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

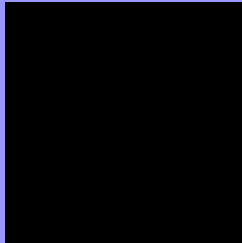
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6047, 36.5465, 99.4164

Background



This preview shows how black text looks on a background with the XYZ color 42.6047, 36.5465, 99.4164.



This preview shows how white text looks on a background with the XYZ color 42.6047, 36.5465,

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

42.6047, 36.5465, 99.4164

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

37.8524, 36.6455, 98.0068



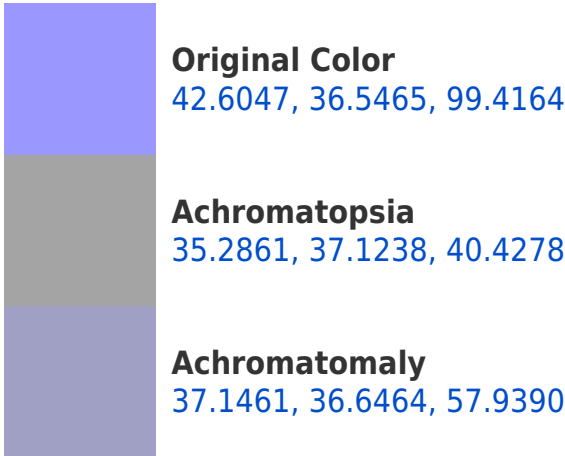
Tritanopia

32.4965, 36.5757, 49.0631

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6047, 36.5465, 99.4164 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(154, 152, 255) looks like.

```
.text, #text, p{  
    color:rgb(154, 152, 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(154, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.6047, 36.5465, 99.4164 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(154, 152, 255) }
```


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

```
.border{ border-color:rgb(154, 152, 255) }
```

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

Here you see how a box with a 4 pixel rgb(154, 152, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6047, 36.5465, 99.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 152, 255) }
```

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

```
.background{ background-color: rgb(154,  
152, 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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