

Converting Colors

XYZ(48.7625, 40.4727, 99.0088)

Have a look what the booklet for
XYZ(48.7625, 40.4727, 99.0088)
contains.

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Color

**XYZ(48.6668, 40.4222,
99.0032)**

Conversions

Conversions Part 1

Format	Color
Hex	B59BFE
RGB	181, 155, 254
RGB Percent	71%, 61%, 100%
CMY	0.2902, 0.3921, 0.0039
CMYK	0.29, 0.39, 0.00, 0.00
HSL	256°, 98%, 80%
HSV	256°, 39%, 100%
XYZ	48.6668, 40.4222, 99.0032
YIQ	174.0600, -16.2830, 36.3010

Conversions

Conversions Part 2

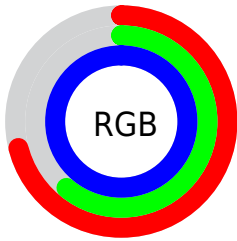
Format	Color
RYB	181, 155, 254
Decimal	11901950
CIELab	69.77, 30.31, -45.88
CIELCh	70, 54.990, 303.452
Yxy	40.4222, 0.2587, 0.2149
Android (android.graphics.Color)	4290092030 (0xFFB59BFE)
YUV	174.0600, 39.4104, 6.0864
Hunter-Lab	63.5785, 25.3724, -47.8204

Details

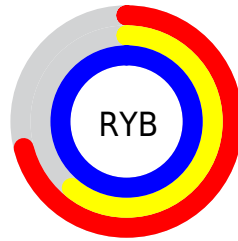
The XYZ color **48.6668, 40.4222, 99.0032** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.3539, 89.7450, 44.4681**, and the grayscale version is **40.0741, 42.1611, 45.9135**.

A 20% lighter version of the original color is **76.6932, 71.6639, 104.3981**, and **23.6325, 18.3675, 55.1230** is the 20% darker color. If you saturate the color by 10%, you get **40.7755, 30.7258, 97.5482**, and if you desaturate by 10%, it is **58.0404, 52.2040, 100.7840**.

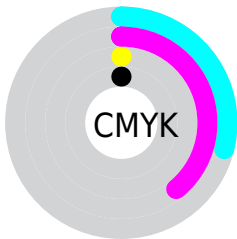
Distribution



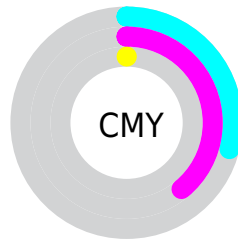
- Red (71%)
- Green (61%)
- Blue (100%)



- Red (71%)
- Yellow (61%)
- Blue (100%)



- Cyan (29%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6668, 40.4222, 99.0032 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 48.6668, 40.4222, 99.0032 by changing the saturation by 10% instead.


 48.6668, 40.4222,
99.0032


 48.6668, 40.4222,
99.0032


371.9679,
347.8999, 578.2114

 34.5687, 27.8679,
74.8561


 87.4001, 75.8060,
161.8266

 23.4958, 18.2261,
54.9940


 112.7660, 99.4043,
201.3399

 15.0827, 11.1124,
38.9983


142.6185,
127.4526, 246.8125

 8.9642, 6.1425,
26.4506

177.3229,
160.3355, 298.6627

 4.7747, 2.9319,
16.9323

217.2448,
198.4373, 357.3092

 2.1491, 1.0963,
10.0248

262.7493,

 0.7157, 0.0000,

242.1423, 423.1704

5.3096

314.2019,
291.8351, 496.6650

■ 0.0000, 0.0000,
2.3681

■ 0.0000, 0.0000,
0.7690

■ 48.6668, 40.4222,
99.0032

■ 48.6668, 40.4222,
99.0032

■ 40.7755, 30.7258,
97.5482

■ 58.0404, 52.2040,
100.7840

■ 34.2826, 22.9858,
96.3965

■ 68.9653, 66.1806,
102.9059

■ 29.1019, 17.0655,
95.5268

■ 81.5113, 82.4591,
105.3868

■ 25.1353, 12.8084,
94.9142

■ 94.8895, 99.9358,
108.0550

■ 22.2688, 10.0299,
94.5290

■ 20.3457, 8.4640,
94.3280

■ 20.1844, 8.3389,
94.3124

Harmonies

Analogous

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



39.4618, 40.4222, 113.4660



48.6668, 40.4222, 99.0032



55.8878, 40.4222, 69.8066

Triad

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



48.6668, 40.4222, 99.0032



46.6032, 40.4222, 13.0810



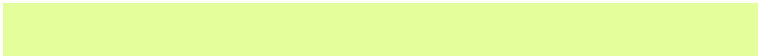
23.7221, 40.4222, 47.0364

Complementary

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



48.6668, 40.4222, 99.0032



73.3539, 89.7450, 44.4681

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.



25.0337, 40.4222, 25.5134



48.6668, 40.4222, 99.0032



37.3969, 40.4222, 10.9434

Square

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



48.6668, 40.4222, 99.0032



54.5728, 40.4222, 22.1160



29.7232, 40.4222, 14.4425



25.8177, 40.4222, 77.0060

Rectangle

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



48.6668, 40.4222, 99.0032



58.0933, 40.4222, 49.8523



29.7232, 40.4222, 14.4425



23.7807, 40.4222, 38.6483

Sweetspot

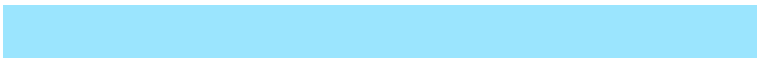
The Sweet Spot groups the original color and five complimentary colors.



48.6683, 40.4238, 99.0041



78.2339, 77.9755, 105.5352



59.4967, 70.3026, 104.2006



16.3852, 16.2220, 22.5175



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.



48.6683, 40.4238, 99.0041



42.5925, 32.7647, 98.6871



62.0048, 47.2990, 99.6283



17.4503, 17.6084, 22.7290



10.7582, 4.4565, 49.7278



1.1449, 0.4841, 4.8464

Inverse Universe

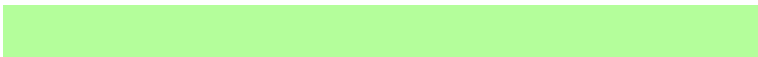
The Inverse Universe completely reimagines the original color for something new.



66.5990, 50.1163, 79.5626



63.3149, 43.9858, 75.3356



60.1236, 82.9245, 43.8490



18.5770, 18.2141, 21.6556



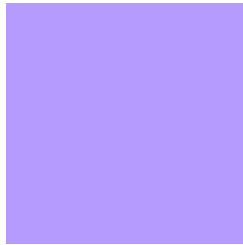
26.3581, 13.0325, 26.3339



2.6114, 1.2869, 2.8008

Previews

White Background



This preview shows how the XYZ color 48.6668, 40.4222, 99.0032 looks on a white background.

Color Contrast Check

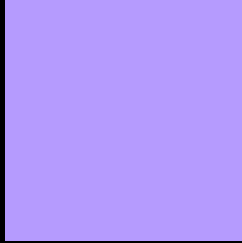
Large Text (above 18pt) WCAG AA × Fail

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 48.6668, 40.4222, 99.0032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

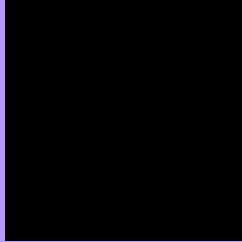
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6668, 40.4222, 99.0032

Background



This preview shows how black text looks on a background with the XYZ color 48.6668, 40.4222, 99.0032.



This preview shows how white text looks on a background with the XYZ color 48.6668, 40.4222,

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

48.6668, 40.4222, 99.0032

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

41.7539, 40.5752, 96.8979



Tritanopia

38.8583, 40.3838, 50.5466

Trichromacy



Original Color

48.6668, 40.4222, 99.0032

Protanomaly

44.6648, 40.3829, 100.0483

Deuteranomaly

43.7950, 40.2546, 97.5571

Tritanomaly

41.9770, 40.2844, 65.8848

Monochromacy



Original Color

48.6668, 40.4222, 99.0032

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.7297, 41.2963, 62.2188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6668, 40.4222, 99.0032 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(181, 155, 254)` looks like.

```
.text, #text, p{  
    color:rgb(181, 155, 254)  
}
```

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(181, 155, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 155, 254) }
```

Border

The CSS property to change the border of an element to XYZ 48.6668, 40.4222, 99.0032 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(181, 155, 254) }
```


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

```
.border{ border-color:rgb(181, 155, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 155, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 155, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 155, 254);  
box-shadow:4px 4px 4px 4px rgb(181, 155,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6668, 40.4222, 99.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 155, 254) }
```

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

```
.background{ background-color: rgb(181,  
155, 254) }
```

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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