

Converting Colors

XYZ(42.2796, 39.4495, 64.1297)

Have a look what the booklet for
XYZ(42.2796, 39.4495, 64.1297)
contains.

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Color

**XYZ(42.3675, 39.4597,
64.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A1CF
RGB	178, 161, 207
RGB Percent	70%, 63%, 81%
CMY	0.3020, 0.3686, 0.1882
CMYK	0.14, 0.22, 0.00, 0.19
HSL	262°, 32%, 72%
HSV	262°, 22%, 81%
XYZ	42.3675, 39.4597, 64.4150
YIQ	171.3270, -4.6340, 17.9100

Conversions

Conversions Part 2

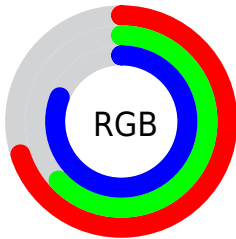
Format	Color
R_{YB}	178, 161, 207
Decimal	11706831
CIE _{Lab}	69.08, 15.21, -21.20
CIE _{LCh}	69, 26.092, 305.654
Yxy	39.4597, 0.2897, 0.2698
Android (android.graphics.Color)	4289896911 (0xFFB2A1CF)
YUV	171.3270, 17.5868, 5.8522
Hunter-Lab	62.8170, 10.4614, -16.8264

Details

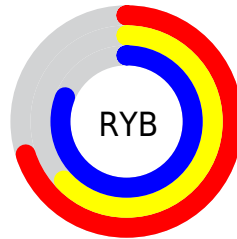
The XYZ color **42.3675, 39.4597, 64.4150** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.9823, 58.1470, 42.3091**, and the grayscale version is **38.7901, 40.8102, 44.4423**.

A 20% lighter version of the original color is **76.5376, 73.8242, 104.8233**, and **19.6759, 17.5972, 32.4966** is the 20% darker color. If you saturate the color by 10%, you get **36.1922, 31.3443, 63.1747**, and if you desaturate by 10%, it is **49.4290, 48.9230, 65.8700**.

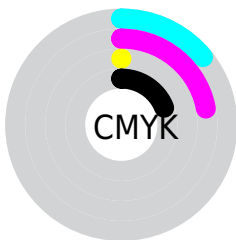
Distribution



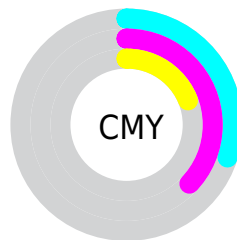
- Red (70%)
- Green (63%)
- Blue (81%)



- Red (70%)
- Yellow (63%)
- Blue (81%)



- Cyan (14%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (30%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3675, 39.4597, 64.4150 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 42.3675, 39.4597, 64.4150 by changing the saturation by 10% instead.

■ 42.3675, 39.4597,
64.4150

■ 42.3675, 39.4597,
64.4150

346.9699,
343.8410, 458.9353

■ 29.5815, 27.1175,
46.5386

■ 78.0172, 74.3401,
112.8136

■ 19.6677, 17.6615,
32.3193

■ 101.6116, 97.6470,
144.1728

■ 12.2606, 10.7072,
21.3387

129.5396,
125.3777, 180.8634

■ 6.9948, 5.8703,
13.1781

162.1665,
157.9166, 223.3038

■ 3.5052, 2.7664,
7.4191

199.8576,
195.6479, 271.9127

■ 1.4262, 1.0110,
3.6432

242.9783,

■ 0.2748, 0.0000,

238.9562, 327.1086

1.4317

291.8939,
288.2257, 389.3099

■ 0.0000, 0.0000,
0.1663

■ 0.0000, 0.0000,
0.0000

■ 42.3675, 39.4597,
64.4150

■ 42.3675, 39.4597,
64.4150

■ 36.1922, 31.3443,
63.1747

■ 49.4290, 48.9230,
65.8700

■ 30.8620, 24.5087,
62.1362

■ 57.4081, 59.7878,
67.5466

■ 26.3380, 18.8866,
61.2895

■ 66.3389, 72.1112,
69.4546

■ 22.5763, 14.4033,
60.6224

■ 76.2529, 85.9453,
71.6023

■ 19.5288, 10.9755,
60.1214

■ 84.0724, 95.1249,
72.9620

■ 17.1405, 8.5082,
59.7710

■ 88.2626, 97.2850,
73.1581

■ 15.3473, 6.8881,
59.5528

■ 14.2828, 6.0620,
59.4495

Harmonies

Analogous

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



38.2995, 39.4597, 70.0553



42.3675, 39.4597, 64.4150



45.2814, 39.4597, 53.1257

Triad

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



42.3675, 39.4597, 64.4150



40.9030, 39.4597, 25.2797



30.0899, 39.4597, 45.2635

Complementary

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



42.3675, 39.4597, 64.4150



49.9823, 58.1470, 42.3091

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.



30.6746, 39.4597, 34.1901



42.3675, 39.4597, 64.4150



36.7221, 39.4597, 23.9506

Square

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



42.3675, 39.4597, 64.4150



44.3930, 39.4597, 30.9392



33.0300, 39.4597, 26.8992



31.3696, 39.4597, 57.7615

Rectangle

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



42.3675, 39.4597, 64.4150



46.0669, 39.4597, 44.7256



33.0300, 39.4597, 26.8992



30.0761, 39.4597, 41.2511

Sweetspot

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



42.3687, 39.4613, 64.4159



85.5980, 87.0631, 106.9011



44.4041, 48.9681, 66.1436



18.1546, 18.4079, 22.8462



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.



42.3687, 39.4613, 64.4159



62.6749, 56.3378, 102.1787



48.0601, 42.3953, 64.6822



11.5704, 11.6274, 14.8781



9.0948, 3.8688, 37.4599



0.5950, 0.2609, 2.0986

Inverse Universe

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



47.7725, 42.4744, 54.3972



73.0512, 62.1293, 82.6785



44.7117, 55.4299, 42.0624



12.1178, 11.9318, 13.8959



18.8193, 9.4006, 14.4867



1.0899, 0.5407, 1.0080

Previews

White Background



This preview shows how the XYZ color 42.3675, 39.4597, 64.4150 looks on a white background.

Color Contrast Check

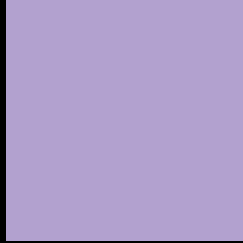
Large Text (above 18pt) WCAG AA × Fail

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 42.3675, 39.4597, 64.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

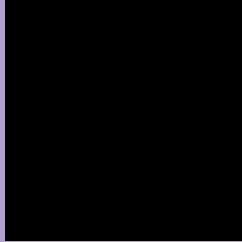
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3675, 39.4597, 64.4150

Background



This preview shows how black text looks on a background with the XYZ color 42.3675, 39.4597, 64.4150.



This preview shows how white text looks on a background with the XYZ color 42.3675, 39.4597,

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

42.3675, 39.4597, 64.4150

Protanopia

39.6771, 39.6097, 67.1822

Deuteranopia

40.3216, 39.4735, 63.8865



Tritanopia

39.0065, 39.4113, 48.1991

Trichromacy



Original Color

42.3675, 39.4597, 64.4150

Protanomaly

40.6050, 39.5627, 66.4690

Deuteranomaly

40.9936, 39.5532, 63.8665

Tritanomaly

40.1400, 39.3390, 53.6217

Monochromacy



Original Color

42.3675, 39.4597, 64.4150

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.9260, 40.0968, 50.9825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3675, 39.4597, 64.4150 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(178, 161, 207)` looks like.

```
.text, #text, p{  
    color:rgb(178, 161, 207)  
}
```

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(178, 161, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 161, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.3675, 39.4597, 64.4150 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(178, 161, 207) }
```


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

```
.border{ border-color:rgb(178, 161, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 161, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 161, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 161, 207);  
box-shadow:4px 4px 4px 4px rgb(178, 161,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3675, 39.4597, 64.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 161, 207) }
```

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

```
.background{ background-color: rgb(178,  
161, 207) }
```

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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