

Converting Colors

XYZ(42.1049, 39.7187, 59.6958)

Have a look what the booklet for
XYZ(42.1049, 39.7187, 59.6958)
contains.

XYZ(42.0515, 39.6675, 59.4731)	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(42.0515, 39.6675,
59.4731)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A2C7
RGB	180, 162, 199
RGB Percent	71%, 64%, 78%
CMY	0.2941, 0.3647, 0.2196
CMYK	0.10, 0.19, 0.00, 0.22
HSL	269°, 25%, 71%
HSV	269°, 19%, 78%
XYZ	42.0515, 39.6675, 59.4731
YIQ	171.6000, -1.1490, 15.3230

Conversions

Conversions Part 2

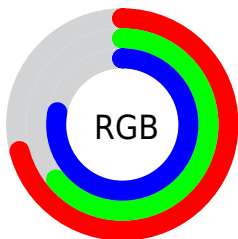
Format	Color
R_{YB}	180, 162, 199
Decimal	11838151
CIE _{Lab}	69.23, 13.61, -16.54
CIE _{LCh}	69, 21.419, 309.466
Yxy	39.6675, 0.2978, 0.2809
Android (android.graphics.Color)	4290028231 (0xFFB4A2C7)
YUV	171.6000, 13.5082, 7.3668
Hunter-Lab	62.9821, 8.9610, -11.8992

Details

The XYZ color **42.0515, 39.6675, 59.4731** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.0026, 53.2803, 42.0439**, and the grayscale version is **38.9461, 40.9743, 44.6210**.

A 20% lighter version of the original color is **77.4549, 74.6786, 104.9398**, and **19.4392, 17.7082, 29.1815** is the 20% darker color. If you saturate the color by 10%, you get **36.5279, 32.0223, 58.2892**, and if you desaturate by 10%, it is **48.3077, 48.5159, 60.8519**.

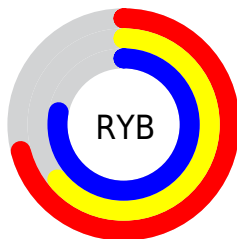
Distribution



Red (71%)

Green (64%)

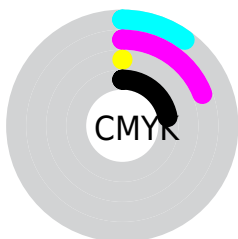
Blue (78%)



Red (71%)

Yellow (64%)

Blue (78%)

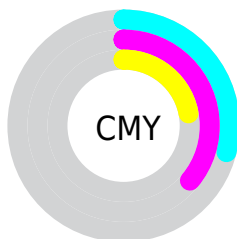


Cyan (10%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (36%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0515, 39.6675, 59.4731 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 42.0515, 39.6675, 59.4731 by changing the saturation by 10% instead.

■ 42.0515, 39.6675,
59.4731

■ 42.0515, 39.6675,
59.4731

345.6844,
344.7201, 440.4035

■ 29.3329, 27.2794,
42.5716

■ 77.5422, 74.6569,
105.6008

■ 19.4783, 17.7832,
29.2202

■ 101.0451, 98.0270,
135.6641

■ 12.1225, 10.7944,
19.0004

128.8734,
125.8266, 170.9517

■ 6.8999, 5.9288,
11.4938

161.3925,
158.4400, 211.8822

■ 3.4454, 2.8018,
6.2817

198.9678,
196.2517, 258.8740

■ 1.3934, 1.0292,
2.9456

241.9647,

■ 0.2515, 0.0000,

239.6460, 312.3459

1.0669

290.7484,
289.0074, 372.7162

■ 0.0000, 0.0000,
0.0000

■ 42.0515, 39.6675,
59.4731

■ 42.0515, 39.6675,
59.4731

■ 36.5279, 32.0223,
58.2892

■ 48.3077, 48.5159,
60.8519

■ 31.7034, 25.5213,
57.2886

■ 55.3209, 58.6130,
62.4312

■ 27.5472, 20.1080,
56.4628

■ 63.1185, 70.0080,
64.2197

■ 24.0248, 15.7188,
55.8013

■ 71.7257, 82.7460,
66.2247

■ 21.0977, 12.2834,
55.2924

■ 79.0561, 92.6491,
67.7498

■ 18.7229, 9.7222,
54.9232

■ 82.4536, 94.4006,
67.9088

■ 16.8504, 7.9420,
54.6783

■ 86.0470, 96.2530,
68.0770

■ 15.4028, 6.7947,
54.5332

■ 87.3089, 96.9036,
68.1361

■ 15.2179, 6.6542,
54.5158

Harmonies

Analogous

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



38.7977, 39.6675, 64.6263



42.0515, 39.6675, 59.4731



44.2214, 39.6675, 50.1601

Triad

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



42.0515, 39.6675, 59.4731



40.0635, 39.6675, 27.8095



31.5651, 39.6675, 46.3721

Complementary

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



42.0515, 39.6675, 59.4731



46.0026, 53.2803, 42.0439

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.



31.8584, 39.6675, 36.8996



42.0515, 39.6675, 59.4731



36.6286, 39.6675, 27.1124

Square

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



42.0515, 39.6675, 59.4731



43.0262, 39.6675, 32.2648



33.6647, 39.6675, 30.1903



32.8376, 39.6675, 56.3417

Rectangle

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



42.0515, 39.6675, 59.4731



44.6887, 39.6675, 43.3675



33.6647, 39.6675, 30.1903



31.4857, 39.6675, 43.0153

Sweetspot

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



42.0527, 39.6692, 59.4740



87.5300, 89.1638, 107.2048



41.7582, 44.9016, 60.4995



18.5663, 18.8429, 22.9084



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.



42.0527, 39.6692, 59.4740



69.8741, 64.2203, 103.3207



46.6202, 42.0238, 59.6877



10.5396, 10.5364, 13.3957



9.8857, 4.3305, 35.0592



0.5516, 0.2481, 1.6640

Inverse Universe

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



44.8154, 41.3207, 49.3318



75.6038, 67.6462, 82.2601



41.9723, 51.2027, 41.8553



10.8574, 10.7264, 12.2324



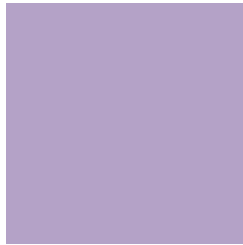
16.7381, 8.4448, 9.0965



0.8291, 0.4145, 0.6230

Previews

White Background



This preview shows how the XYZ color 42.0515, 39.6675, 59.4731 looks on a white background.

Color Contrast Check

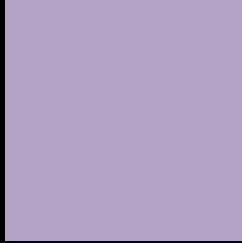
Large Text (above 18pt) WCAG AA × Fail

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 42.0515, 39.6675, 59.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

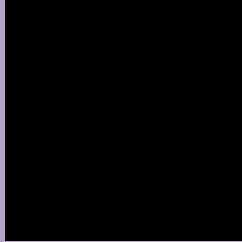
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0515, 39.6675, 59.4731

Background



This preview shows how black text looks on a background with the XYZ color 42.0515, 39.6675, 59.4731.



This preview shows how white text looks on a background with the XYZ color 42.0515, 39.6675,

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

42.0515, 39.6675, 59.4731

Protanopia

39.6824, 39.9984, 62.1289

Deuteranopia

40.4428, 39.6454, 58.9468



Tritanopia

39.9044, 39.8742, 48.2411

Trichromacy



Original Color

42.0515, 39.6675, 59.4731

Protanomaly

40.6591, 39.9717, 61.4495

Deuteranomaly

40.9241, 39.6268, 58.9179

Tritanomaly

40.6782, 39.9204, 52.0158

Monochromacy



Original Color

42.0515, 39.6675, 59.4731

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.1253, 40.4966, 49.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0515, 39.6675, 59.4731 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(180, 162, 199)` looks like.

```
.text, #text, p{  
    color:rgb(180, 162, 199)  
}
```

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(180, 162, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 162, 199) }
```

Border

The CSS property to change the border of an element to XYZ 42.0515, 39.6675, 59.4731 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(180, 162, 199) }
```


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

```
.border{ border-color:rgb(180, 162, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 162, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 162, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 162, 199);  
box-shadow:4px 4px 4px 4px rgb(180, 162,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0515, 39.6675, 59.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 162, 199) }
```

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

```
.background{ background-color: rgb(180,  
162, 199) }
```

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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