

Converting Colors

XYZ(42.2906, 43.6590, 49.9432)

Have a look what the booklet for
XYZ(42.2906, 43.6590, 49.9432)
contains.

XYZ(42.2609, 43.5798, 49.9004)	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(42.2609, 43.5798,
49.9004)**

Conversions

Conversions Part 1

Format	Color
Hex	B3AFB5
RGB	179, 175, 181
RGB Percent	70%, 69%, 71%
CMY	0.2980, 0.3137, 0.2902
CMYK	0.01, 0.03, 0.00, 0.29
HSL	280°, 4%, 70%
HSV	280°, 3%, 71%
XYZ	42.2609, 43.5798, 49.9004
YIQ	176.8800, 0.4580, 2.7140

Conversions

Conversions Part 2

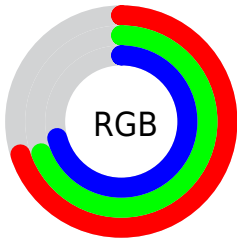
Format	Color
RYB	179, 175, 181
Decimal	11775925
CIELab	71.95, 2.54, -2.57
CIELCh	72, 3.613, 314.762
Yxy	43.5798, 0.3113, 0.3211
Android (android.graphics.Color)	4289966005 (0xFFB3AFB5)
YUV	176.8800, 2.0312, 1.8592
Hunter-Lab	66.0150, -1.2557, 1.3935

Details

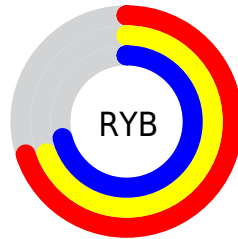
The XYZ color **42.2609, 43.5798, 49.9004** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.3947, 45.4911, 47.1058**, and the grayscale version is **41.7175, 43.8901, 47.7963**.

A 20% lighter version of the original color is **78.1229, 80.9284, 91.6240**, and **19.5834, 20.1601, 23.2812** is the 20% darker color. If you saturate the color by 10%, you get **37.6075, 36.2981, 48.7408**, and if you desaturate by 10%, it is **47.4501, 51.8411, 51.2222**.

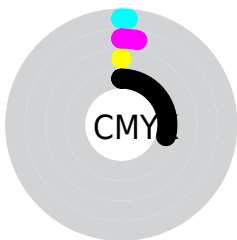
Distribution



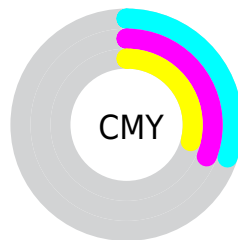
- Red (70%)
- Green (69%)
- Blue (71%)



- Red (70%)
- Yellow (69%)
- Blue (71%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)



- Cyan (30%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2609, 43.5798, 49.9004 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 42.2609, 43.5798, 49.9004 by changing the saturation by 10% instead.

■ 42.2609, 43.5798,
49.9004

■ 42.2609, 43.5798,
49.9004

346.5366,
360.9908, 403.0002

■ 29.4976, 30.3403,
34.9636

■ 77.8570, 80.5851,
91.4221

■ 19.6038, 20.0970,
23.3515

101.4206,
105.1196, 118.8441

■ 12.2139, 12.4656,
14.6456

129.3150,
134.1880, 151.2649

■ 6.9628, 7.0616,
8.4272

161.9055,
168.1746, 189.1031

■ 3.4850, 3.5007,
4.2778

199.5576,
207.4637, 232.7771

■ 1.4151, 1.3984,
1.7790

242.6366,

■ 0.2669, 0.2155,

252.4399, 282.7057

0.4140

291.5078,
303.4875, 339.3072

■ 0.0000, 0.0000,
0.0000

■ 42.2609, 43.5798,
49.9004

■ 42.2609, 43.5798,
49.9004

■ 37.6075, 36.2981,
48.7408

■ 47.4501, 51.8411,
51.2222

■ 33.4667, 29.9527,
47.7343

■ 53.1896, 61.1120,
52.7091

■ 29.8191, 24.5054,
46.8751

■ 59.4982, 71.4282,
54.3678

■ 26.6425, 19.9129,
46.1561

■ 66.3925, 82.8219,
56.2037

■ 23.9129, 16.1286,
45.5695

■ 70.4452, 88.4374,
57.0740

■ 21.6040, 13.1010,
45.1068

■ 72.1873, 89.3355,
57.1555

■ 19.6866, 10.7728,
44.7585

■ 73.9947, 90.2672,
57.2401

■ 18.1269, 9.0781,
44.5136

■ 75.8683, 91.2331,
57.3278

■ 16.8850, 7.9381,
44.3590

■ 77.8086, 92.2334,
57.4186

Harmonies

Analogous

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



41.7238, 43.5798, 50.8072



42.2609, 43.5798, 49.9004



42.5746, 43.5798, 48.3481

Triad

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



42.2609, 43.5798, 49.9004



41.7334, 43.5798, 44.2529



40.2865, 43.5798, 48.3205

Complementary

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



42.2609, 43.5798, 49.9004



42.3947, 45.4911, 47.1058

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.



40.2890, 43.5798, 46.5651



42.2609, 43.5798, 49.9004



41.1202, 43.5798, 44.2460

Square

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



42.2609, 43.5798, 49.9004



42.2680, 43.5798, 45.1023



40.5929, 43.5798, 45.0831



40.5860, 43.5798, 49.8798

Rectangle

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



42.2609, 43.5798, 49.9004



42.6128, 43.5798, 47.1700



40.5929, 43.5798, 45.0831



40.2522, 43.5798, 47.7331

Sweetspot

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



42.2621, 43.5817, 49.9014



77.7377, 81.2930, 89.8885



41.7632, 43.9357, 49.9960



16.8125, 17.5871, 19.4308



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2621, 43.5817, 49.9014



75.0286, 77.0098, 89.2046



42.6357, 43.7849, 49.4385



9.0475, 9.2522, 10.8153



11.2276, 5.1238, 30.5342



0.4120, 0.1915, 0.9635

Inverse Universe

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



42.3233, 43.6599, 47.7934



75.1642, 77.1821, 84.5861



42.0312, 45.2934, 47.5516



9.0665, 9.2762, 10.1750



13.7347, 7.0114, 3.7631



0.4599, 0.2317, 0.2646

Previews

White Background



This preview shows how the XYZ color 42.2609, 43.5798, 49.9004 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 42.2609, 43.5798, 49.9004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

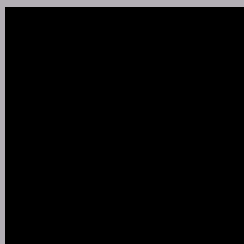
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

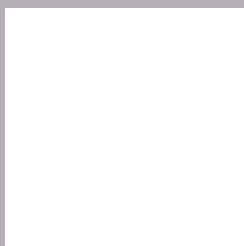
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2609, 43.5798, 49.9004

Background



This preview shows how black text looks on a background with the XYZ color 42.2609, 43.5798, 49.9004.



This preview shows how white text looks on a background with the XYZ color 42.2609, 43.5798,

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

42.2609, 43.5798, 49.9004

Protanopia

42.0306, 43.4611, 49.8896

Deuteranopia

44.4923, 43.5796, 50.3227



Tritanopia

43.0355, 43.6062, 53.7256

Trichromacy



Original Color

42.2609, 43.5798, 49.9004

Protanomaly

42.0306, 43.4611, 49.8896

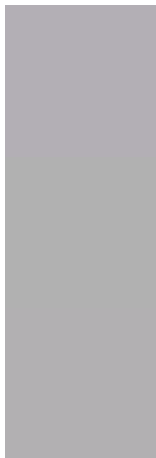
Deuteranomaly

43.6895, 43.4472, 50.3394

Tritanomaly

42.7154, 43.4782, 52.0397

Monochromacy



Original Color

42.2609, 43.5798, 49.9004

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.9213, 43.7300, 48.3507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2609, 43.5798, 49.9004 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(179, 175, 181)` looks like.

```
.text, #text, p{  
    color:rgb(179, 175, 181)  
}
```

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(179, 175, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 175, 181) }
```

Border

The CSS property to change the border of an element to XYZ 42.2609, 43.5798, 49.9004 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(179, 175, 181) }
```


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

```
.border{ border-color:rgb(179, 175, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 175, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 175, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 175, 181);  
box-shadow:4px 4px 4px 4px rgb(179, 175,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2609, 43.5798, 49.9004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 175, 181) }
```

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

```
.background{ background-color: rgb(179,  
175, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor