

Converting Colors

XYZ(42.4839, 44.7398, 49.1810)

Have a look what the booklet for
XYZ(42.4839, 44.7398, 49.1810)
contains.

XYZ(42.6169, 44.9598, 49.0798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(42.6169, 44.9598,
49.0798)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B3B3
RGB	178, 179, 179
RGB Percent	70%, 70%, 70%
CMY	0.3020, 0.2980, 0.2980
CMYK	0.01, 0.00, 0.00, 0.30
HSL	180°, 1%, 70%
HSV	180°, 1%, 70%
XYZ	42.6169, 44.9598, 49.0798
YIQ	178.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

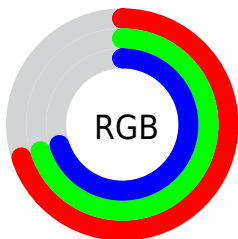
Format	Color
RYB	178, 179, 179
Decimal	11711411
CIELab	72.87, -0.35, -0.13
CIELCh	73, 0.371, 200.763
Yxy	44.9598, 0.3119, 0.3290
Android (android.graphics.Color)	4289901491 (0xFFB2B3B3)
YUV	178.7010, 0.1474, -0.6148
Hunter-Lab	67.0521, -3.8902, 3.5382

Details

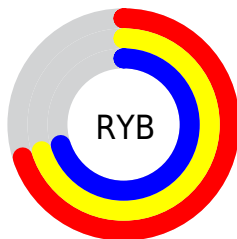
The XYZ color **42.6169, 44.9598, 49.0798** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5484, 44.6401, 48.4956**, and the grayscale version is **42.6891, 44.9123, 48.9095**.

A 20% lighter version of the original color is **78.6354, 82.9072, 90.4554**, and **19.6842, 20.7880, 22.7137** is the 20% darker color. If you saturate the color by 10%, you get **38.7701, 42.9785, 48.8741**, and if you desaturate by 10%, it is **47.0023, 47.2212, 49.3125**.

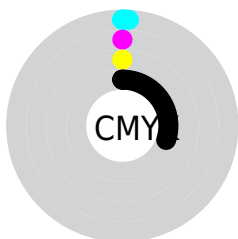
Distribution



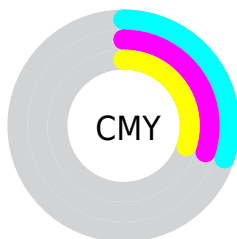
- Red (70%)
- Green (70%)
- Blue (70%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6169, 44.9598, 49.0798 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 42.6169, 44.9598, 49.0798 by changing the saturation by 10% instead.

■ 42.6169, 44.9598,
49.0798

■ 42.6169, 44.9598,
49.0798

347.9822,
366.6107, 399.6879

■ 29.7779, 31.4258,
34.3167

■ 78.3918, 82.6601,
90.1922

■ 19.8173, 20.9233,
22.8577

102.0583,
107.5951, 117.3786

■ 12.3698, 13.0679,
14.2842

130.0647,
137.0993, 149.5432

■ 7.0700, 7.4753,
8.1776

162.7763,
171.5570, 187.1045

■ 3.5527, 3.7611,
4.1194

200.5585,
211.3525, 230.4811

■ 1.4523, 1.5408,
1.6911

243.7766,

■ 0.2930, 0.3172,

256.8704, 280.0915

0.3546

292.7961,
308.4950, 336.3542

0.0000, 0.0000,
0.0000

42.6169, 44.9598,
49.0798

42.6169, 44.9598,
49.0798

38.7701, 42.9785,
48.8741

47.0023, 47.2212,
49.3125

35.4374, 41.2611,
48.6916

51.9418, 49.7671,
49.5703

32.5981, 39.7980,
48.5322

57.4553, 52.6088,
49.8549

30.2289, 38.5772,
48.3948

63.5604, 55.7555,
50.1672

28.3043, 37.5856,
48.2782

65.5232, 56.7668,
50.2857

■ 26.7965, 36.8089,
48.1811

■ 65.5283, 56.7688,
50.3125

■ 25.6746, 36.2311,
48.1021

■ 65.5334, 56.7708,
50.3394

■ 24.9034, 35.8341,
48.0396

■ 65.5385, 56.7729,
50.3662

■ 24.4414, 35.5965,
47.9914

■ 65.5436, 56.7749,
50.3931

Harmonies

Analogous

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



42.6105, 44.9598, 48.8965



42.6169, 44.9598, 49.0798



42.6544, 44.9598, 49.2296

Triad

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



42.6169, 44.9598, 49.0798



42.8292, 44.9598, 49.1789



42.7529, 44.9598, 48.6033

Complementary

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



42.6169, 44.9598, 49.0798



42.5484, 44.6401, 48.4956

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.



42.8116, 44.9598, 48.6786



42.6169, 44.9598, 49.0798



42.8557, 44.9598, 49.0107

Square

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



42.6169, 44.9598, 49.0798



42.7770, 44.9598, 49.2870



42.8492, 44.9598, 48.8276



42.6889, 44.9598, 48.6217

Rectangle

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



42.6169, 44.9598, 49.0798



42.6920, 44.9598, 49.2902



42.8492, 44.9598, 48.8276



42.7739, 44.9598, 48.6185

Sweetspot

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



42.6182, 44.9617, 49.0808



76.7382, 80.7346, 87.9200



42.5212, 44.9234, 48.5502



17.0014, 17.8868, 19.4787



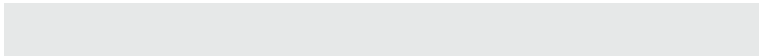
86.6293, 91.1408, 99.2523

Same Dimension

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



42.6182, 44.9617, 49.0808



75.9887, 80.3483, 87.8801



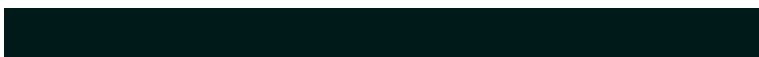
42.5215, 44.7679, 49.0500



9.4652, 10.0041, 10.9379



17.1055, 25.0682, 33.8882



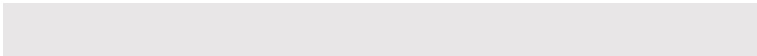
0.5385, 0.7889, 1.0680

Inverse Universe

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



42.5484, 44.6401, 48.4956



75.7624, 79.3057, 85.9831



42.6447, 44.8332, 48.5263



9.4394, 9.8851, 10.7214



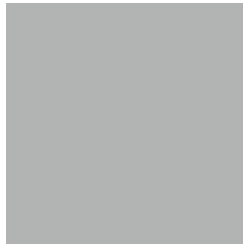
13.1392, 6.7732, 0.6272



0.4137, 0.2132, 0.0214

Previews

White Background



This preview shows how the XYZ color 42.6169, 44.9598, 49.0798 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 42.6169, 44.9598, 49.0798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

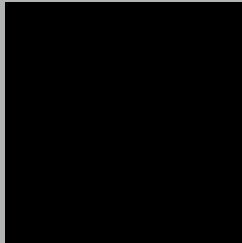
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6169, 44.9598, 49.0798

Background



This preview shows how black text looks on a background with the XYZ color 42.6169, 44.9598, 49.0798.



This preview shows how white text looks on a background with the XYZ color 42.6169, 44.9598,

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

42.6169, 44.9598, 49.0798

Protanopia

43.2477, 45.0002, 48.5260

Deuteranopia

45.6875, 44.7845, 49.4163



Tritanopia

43.9485, 44.9092, 55.6422

Trichromacy



Original Color

42.6169, 44.9598, 49.0798

Protanomaly

43.0123, 44.8789, 48.5150

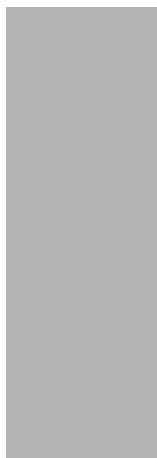
Deuteranomaly

44.5545, 44.7740, 49.4740

Tritanomaly

43.4804, 45.0124, 53.4103

Monochromacy



Original Color

42.6169, 44.9598, 49.0798

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.8472, 45.0786, 49.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6169, 44.9598, 49.0798 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, 179, 179)` looks like.

```
.text, #text, p{  
    color:rgb(178, 179, 179)  
}
```

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, 179, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 179, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.6169, 44.9598, 49.0798 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, 179, 179) }
```

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

```
.border{ border-color:rgb(178, 179, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 179, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 179, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 179, 179);  
box-shadow:4px 4px 4px 4px rgb(178, 179,  
179) }
```


Background

The CSS property to change the background color of an element to XYZ 42.6169, 44.9598, 49.0798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 179, 179) }
```

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

```
.background{ background-color: rgb(178,  
179, 179) }
```

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