

# Converting Colors

XYZ(41.9566, 43.8091, 54.9697)

Have a look what the booklet for  
XYZ(41.9566, 43.8091, 54.9697)  
contains.

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# Color

**XYZ(42.0297, 43.9326,  
54.9798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACB1BE
RGB	172, 177, 190
RGB Percent	67%, 69%, 75%
CMY	0.3255, 0.3059, 0.2549
CMYK	0.09, 0.07, 0.00, 0.25
HSL	223°, 12%, 71%
HSV	223°, 9%, 75%
XYZ	42.0297, 43.9326, 54.9798
YIQ	176.9870, -7.1530, 2.9830

# Conversions

## Conversions Part 2

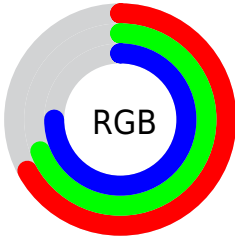
Format	Color
<a href="#">RYB</a>	<a href="#">172, 176, 190</a>
Decimal	<a href="#">11317694</a>
CIELab	<a href="#">72.18, 0.83, -7.22</a>
CIELCh	<a href="#">72, 7.268, 276.532</a>
Yxy	<a href="#">43.9326, 0.2982, 0.3117</a>
Android (android.graphics.Color)	<a href="#">4289507774 (0xFFACB1BE)</a>
YUV	<a href="#">176.9870, 6.4154, -4.3736</a>
Hunter-Lab	<a href="#">66.2817, -2.8048, -2.7831</a>

# Details

The XYZ color **42.0297, 43.9326, 54.9798** is a light color, and the websafe version is hex **999999**. A complement of this color would be **46.0309, 48.6235, 45.9899**, and the grayscale version is **41.7543, 43.9287, 47.8384**.

A 20% lighter version of the original color is **77.4520, 81.2625, 98.7919**, and **19.4687, 20.2145, 26.5426** is the 20% darker color. If you saturate the color by 10%, you get **35.5793, 36.7855, 53.9409**, and if you desaturate by 10%, it is **49.3514, 51.9357, 56.1393**.

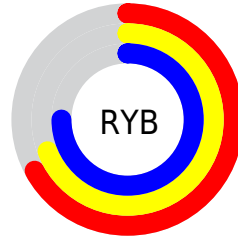
# Distribution



Red (67%)

Green (69%)

Blue (75%)



Red (67%)

Yellow (69%)

Blue (75%)

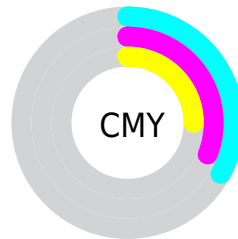


Cyan (9%)

Magenta (7%)

Yellow (0%)

Black (25%)



Cyan (33%)

Magenta (31%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0297, 43.9326, 54.9798 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 42.0297, 43.9326, 54.9798 by changing the saturation by 10% instead.



■ 42.0297, 43.9326,  
54.9798

■ 42.0297, 43.9326,  
54.9798

345.5956,  
362.4332, 423.1151

■ 29.3158, 30.6175,  
38.9871

■ 77.5095, 81.1163,  
98.9822

■ 19.4653, 20.3078,  
26.4419

101.0060,  
105.7537, 127.8290

■ 12.1130, 12.6190,  
16.9258

128.8274,  
134.9341, 161.7975

■ 6.8934, 7.1667,  
10.0202

161.3391,  
169.0417, 201.3063

■ 3.4413, 3.5666,  
5.3066

198.9064,  
208.4610, 246.7739

■ 1.3912, 1.4342,  
2.3664

241.8947,

■ 0.2499, 0.2417,

253.5765, 298.6189

0.7680

290.6693,  
304.7724, 357.2598

■ 0.0000, 0.0000,  
0.0000

■ 42.0297, 43.9326,  
54.9798

■ 42.0297, 43.9326,  
54.9798

■ 35.5793, 36.7855,  
53.9409

■ 49.3514, 51.9357,  
56.1393

■ 29.9630, 30.4599,  
53.0160

■ 57.5719, 60.8168,  
57.4203

■ 25.1470, 24.9270,  
52.2019

■ 66.7222, 70.6041,  
58.8272

■ 21.0931, 20.1541,  
51.4942

■ 76.8307, 81.3227,  
60.3633

■ 17.7603, 16.1060,  
50.8886

■ 83.3699, 90.6488,  
61.8187

■ 15.1031, 12.7448,  
50.3798

■ 86.2944, 96.4978,  
62.7936

■ 13.0708, 10.0285,  
49.9626

■ 11.6046, 7.9098,  
49.6310

■ 10.6040, 6.3184,  
49.3765

# Harmonies

## Analogous

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



40.8099, 43.9326, 54.4080



42.0297, 43.9326, 54.9798



43.1988, 43.9326, 53.5621

# Triad

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



42.0297, 43.9326, 54.9798



43.7111, 43.9326, 43.8665



39.5976, 43.9326, 45.1547

# Complementary

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



42.0297, 43.9326, 54.9798



46.0309, 48.6235, 45.9899

# 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.



40.3469, 43.9326, 42.5317



42.0297, 43.9326, 54.9798



42.7179, 43.9326, 41.8142

# Square

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



42.0297, 43.9326, 54.9798



44.1820, 43.9326, 47.0590



41.4847, 43.9326, 41.3379



39.4217, 43.9326, 48.6198



# Rectangle

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



42.0297, 43.9326, 54.9798



43.7869, 43.9326, 51.7191



41.4847, 43.9326, 41.3379



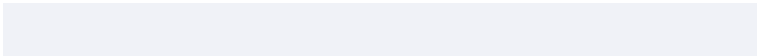
39.7901, 43.9326, 44.1507

# Sweetspot

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



42.0310, 43.9344, 54.9808



84.5035, 88.7492, 100.9556



44.1739, 49.0969, 52.9928



18.3164, 19.2268, 22.1311



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



42.0310, 43.9344, 54.9808



74.0623, 77.2981, 99.2957



41.9296, 42.4422, 54.6981



9.2266, 9.6454, 12.0477



7.0784, 4.2686, 32.8437



0.3344, 0.2814, 1.3056



# Inverse Universe

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



43.9246, 43.6276, 47.7029



78.0740, 76.6835, 83.8690



46.1346, 50.2578, 46.2999



9.6362, 9.5788, 10.4733



14.5736, 7.4606, 3.0484

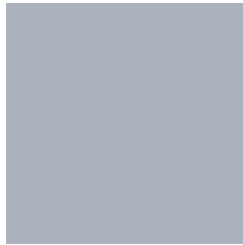


0.5997, 0.3038, 0.2712



# Previews

## White Background



This preview shows how the XYZ color 42.0297, 43.9326, 54.9798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

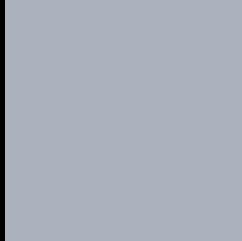
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0297, 43.9326, 54.9798 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

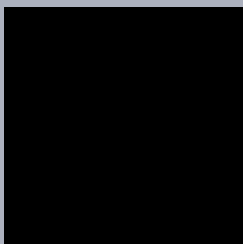
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

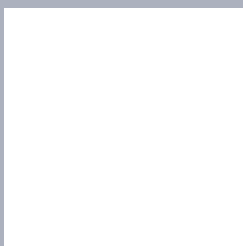
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.0297, 43.9326, 54.9798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0297, 43.9326, 54.9798.



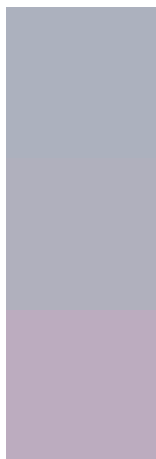
This preview shows how white text looks on a background with the XYZ color 42.0297, 43.9326,



# 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

42.0297, 43.9326, 54.9798

### Protanopia

42.6151, 43.9549, 54.3822

### Deuteranopia

44.8955, 43.9580, 55.4087



## Tritanopia

42.1394, 43.9765, 55.5575

# Trichromacy



## Original Color

42.0297, 43.9326, 54.9798

## Protanomaly

42.3898, 43.8388, 54.3717

## Deuteranomaly

43.8314, 43.9788, 55.4688

## Tritanomaly

42.1394, 43.9765, 55.5575

# Monochromacy



## Original Color

42.0297, 43.9326, 54.9798

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.8448, 43.9356, 50.5309

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0297, 43.9326, 54.9798 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(172, 177, 190)` looks like.

```
.text, #text, p{  
    color:rgb(172, 177, 190)  
}
```

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(172, 177, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 177, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0297, 43.9326, 54.9798 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(172, 177, 190) }
```



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

```
.border{ border-color:rgb(172, 177, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 177, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 177, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 177, 190);  
box-shadow:4px 4px 4px 4px rgb(172, 177,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0297, 43.9326, 54.9798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 177, 190) }
```

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

```
.background{ background-color: rgb(172,  
177, 190) }
```

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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