

# Converting Colors

XYZ(42.9359, 45.1456, 52.5010)

Have a look what the booklet for  
XYZ(42.9359, 45.1456, 52.5010)  
contains.

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# Color

**XYZ(42.7816, 44.9731,  
52.3248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B0B3B9</a>
RGB	<a href="#">176, 179, 185</a>
RGB Percent	<a href="#">69%, 70%, 73%</a>
CMY	<a href="#">0.3098, 0.2980, 0.2745</a>
CMYK	<a href="#">0.05, 0.03, 0.00, 0.27</a>
HSL	<a href="#">220°, 6%, 71%</a>
HSV	<a href="#">220°, 5%, 73%</a>
XYZ	<a href="#">42.7816, 44.9731, 52.3248</a>
YIQ	<a href="#">178.7870, -3.7140, 1.2300</a>

# Conversions

## Conversions Part 2

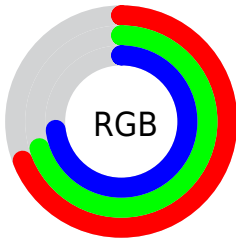
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 178, 185
Decimal	11580345
CIELab	72.87, 0.11, -3.42
CIElCh	73, 3.426, 271.799
Yxy	44.9731, 0.3054, 0.3211
Android (android.graphics.Color)	4289770425 (0xFFB0B3B9)
YUV	178.7870, 3.0630, -2.4442
Hunter-Lab	67.0620, -3.4860, 0.6826

# Details

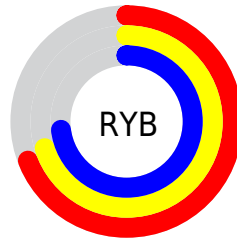
The XYZ color **42.7816, 44.9731, 52.3248** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5722, 46.9045, 47.7794**, and the grayscale version is **42.7211, 44.9459, 48.9461**.

A 20% lighter version of the original color is **78.8642, 82.9233, 95.0683**, and **19.9379, 20.8727, 24.8078** is the 20% darker color. If you saturate the color by 10%, you get **36.5193, 38.2405, 51.3560**, and if you desaturate by 10%, it is **49.8375, 52.4453, 53.3959**.

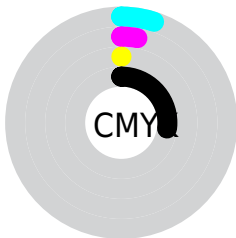
# Distribution



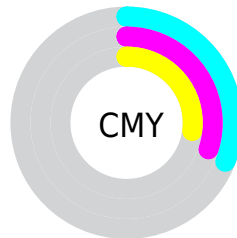
- Red (69%)
- Green (70%)
- Blue (73%)



- Red (69%)
- Yellow (70%)
- Blue (73%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (31%)
- Magenta (30%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7816, 44.9731, 52.3248 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 42.7816, 44.9731, 52.3248 by changing the saturation by 10% instead.



■ 42.7816, 44.9731,  
52.3248

■ 42.7816, 44.9731,  
52.3248

348.6496,  
366.6646, 412.6818

■ 29.9076, 31.4362,  
36.8800

■ 78.6390, 82.6800,  
95.0415

■ 19.9162, 20.9313,  
24.8195

102.3530,  
107.6189, 123.1505

■ 12.4420, 13.0738,  
15.7249

130.4111,  
137.1272, 156.3180

■ 7.1198, 7.4794,  
9.1774

163.1785,  
171.5894, 194.9626

■ 3.5841, 3.7637,  
4.7587

201.0208,  
211.3899, 239.5027

■ 1.4697, 1.5423,  
2.0501

244.3031,

■ 0.3051, 0.3182,

256.9129, 290.3569

0.5859

293.3909,  
308.5431, 347.9438

■ 0.0000, 0.0000,  
0.0000

■ 42.7816, 44.9731,  
52.3248

■ 42.7816, 44.9731,  
52.3248

■ 36.5193, 38.2405,  
51.3560

■ 49.8375, 52.4453,  
53.3959

■ 31.0180, 32.2183,  
50.4836

■ 57.7103, 60.6735,  
54.5691

■ 26.2486, 26.8839,  
49.7053

■ 66.4271, 69.6810,  
55.8483

■ 22.1785, 22.2113,  
49.0179

■ 76.0126, 79.4880,  
57.2361

■ 18.7726, 18.1724,  
48.4179

■ 81.3470, 87.4627,  
58.4942

■ 15.9924, 14.7373,  
47.9013

■ 85.1134, 94.9955,  
59.7496

■ 13.7953, 11.8731,  
47.4643

■ 85.7571, 96.2828,  
59.9642

■ 12.1326, 9.5430,  
47.1022

■ 10.9463, 7.7048,  
46.8099

# Harmonies

## Analogous

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



42.2059, 44.9731, 51.9200



42.7816, 44.9731, 52.3248



43.3528, 44.9731, 51.8129

# Triad

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



42.7816, 44.9731, 52.3248



43.7277, 44.9731, 47.2576



41.7428, 44.9731, 47.4323

# Complementary

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



42.7816, 44.9731, 52.3248



44.5722, 46.9045, 47.7794

# 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.



42.1441, 44.9731, 46.2293



42.7816, 44.9731, 52.3248



43.2898, 44.9731, 46.1301

# Square

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



42.7816, 44.9731, 52.3248



43.9021, 44.9731, 48.8650



42.7096, 44.9731, 45.7580



41.6095, 44.9731, 49.0713



# Rectangle

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



42.7816, 44.9731, 52.3248



43.6532, 44.9731, 51.0274



42.7096, 44.9731, 45.7580



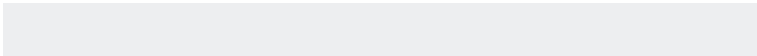
41.8507, 44.9731, 46.9648

# Sweetspot

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



42.7829, 44.9750, 52.3258



81.3144, 85.5391, 94.4296



43.6822, 47.3000, 51.0030



17.5440, 18.4556, 20.3592



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

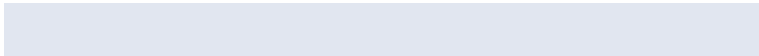


# Same Dimension

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



42.7829, 44.9750, 52.3258



75.1634, 78.9905, 93.4898



42.4944, 43.9426, 52.1417



9.1537, 9.6186, 11.4536



7.1861, 4.8318, 31.8070



0.3118, 0.2872, 1.1408



# Inverse Universe

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



43.6707, 44.6206, 48.9610



77.1439, 78.2150, 85.9796



44.8696, 47.9804, 47.9714



9.4132, 9.5177, 10.4691



14.2409, 7.2701, 3.8893



0.5315, 0.2681, 0.2925



# Previews

## White Background



This preview shows how the XYZ color 42.7816, 44.9731, 52.3248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

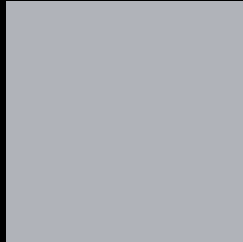
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7816, 44.9731, 52.3248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

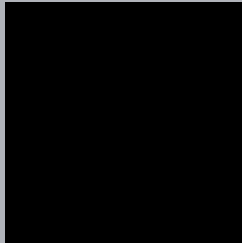
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.7816, 44.9731, 52.3248**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7816, 44.9731, 52.3248.



This preview shows how white text looks on a background with the XYZ color 42.7816, 44.9731,



# 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

42.7816, 44.9731, 52.3248

### Protanopia

43.3945, 45.0048, 51.7471

### Deuteranopia

45.7988, 44.7698, 52.6819



## Tritanopia

43.5663, 44.9937, 56.2576

# Trichromacy



## Original Color

42.7816, 44.9731, 52.3248

## Protanomaly

43.1625, 44.8852, 51.7362

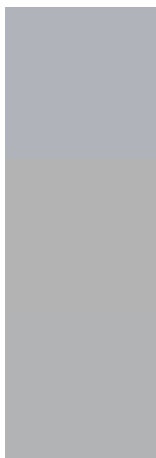
## Deuteranomaly

44.6864, 44.7699, 52.7406

## Tritanomaly

43.2372, 44.8620, 54.5245

# Monochromacy



## Original Color

42.7816, 44.9731, 52.3248

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

42.8207, 45.0414, 50.1530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7816, 44.9731, 52.3248 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(176, 179, 185) looks like.

```
.text, #text, p{  
    color:rgb(176, 179, 185)  
}
```

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(176, 179, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 179, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7816, 44.9731, 52.3248 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(176, 179, 185) }
```



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

```
.border{ border-color:rgb(176, 179, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 179, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 179, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 179, 185);  
box-shadow:4px 4px 4px 4px rgb(176, 179,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7816, 44.9731, 52.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 179, 185) }
```

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

```
.background{ background-color: rgb(176,  
179, 185) }
```

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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