

# Converting Colors

XYZ(42.3180, 45.1003, 53.3105)

Have a look what the booklet for  
XYZ(42.3180, 45.1003, 53.3105)  
contains.

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# **Color**

**XYZ(42.3042, 45.0010,  
53.4701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACB4BB
RGB	172, 180, 187
RGB Percent	67%, 71%, 73%
CMY	0.3255, 0.2941, 0.2667
CMYK	0.08, 0.04, 0.00, 0.27
HSL	208°, 10%, 70%
HSV	208°, 8%, 73%
XYZ	42.3042, 45.0010, 53.4701
YIQ	178.4060, -7.0150, 0.4810

# Conversions

## Conversions Part 2

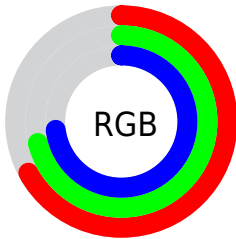
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 177, 187
Decimal	11318459
CIE Lab	72.89, -1.40, -4.53
CIE LCh	73, 4.739, 252.790
Yxy	45.0010, 0.3005, 0.3197
Android (android.graphics.Color)	4289508539 (0xFFACB4BB)
YUV	178.4060, 4.2368, -5.6181
Hunter-Lab	67.0828, -4.8280, -0.3007

# Details

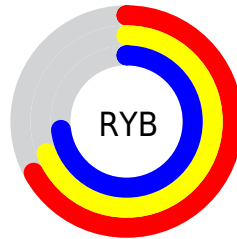
The XYZ color **42.3042, 45.0010, 53.4701** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.0603, 45.7834, 45.5455**, and the grayscale version is **42.5139, 44.7280, 48.7088**.

A 20% lighter version of the original color is **77.8517, 82.7929, 96.6714**, and **19.6382, 20.8930, 25.5520** is the 20% darker color. If you saturate the color by 10%, you get **36.7796, 39.6214, 52.7236**, and if you desaturate by 10%, it is **48.5198, 50.9038, 54.2826**.

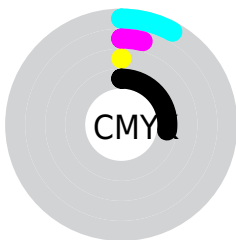
# Distribution



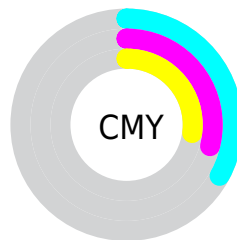
- Red (67%)
- Green (71%)
- Blue (73%)



- Red (67%)
- Yellow (69%)
- Blue (73%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (29%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3042, 45.0010, 53.4701 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 42.3042, 45.0010, 53.4701 by changing the saturation by 10% instead.



■ 42.3042, 45.0010,  
53.4701

■ 42.3042, 45.0010,  
53.4701

346.7126,  
366.7776, 417.2034

■ 29.5317, 31.4582,  
37.7879

■ 77.9221, 82.7219,  
96.7443

■ 19.6297, 20.9480,  
25.5176

101.4982,  
107.6688, 125.1734

■ 12.2329, 13.0860,  
16.2405

129.4062,  
137.1859, 158.6885

■ 6.9758, 7.4878,  
9.5383

162.0115,  
171.6576, 197.7082

■ 3.4932, 3.7690,  
4.9924

199.6795,  
211.4681, 242.6510

■ 1.4196, 1.5452,  
2.1841

242.7754,

■ 0.2701, 0.3202,

257.0021, 293.9354

0.6652

291.6647,  
308.6438, 351.9801

■ 0.0000, 0.0000,  
0.0000

■ 42.3042, 45.0010,  
53.4701

■ 42.3042, 45.0010,  
53.4701

■ 36.7796, 39.6214,  
52.7236

■ 48.5198, 50.9038,  
54.2826

■ 31.9161, 34.7430,  
52.0383

■ 55.4471, 57.3397,  
55.1597

■ 27.6872, 30.3502,  
51.4133

■ 63.1106, 64.3256,  
56.1042

■ 24.0631, 26.4246,  
50.8466

■ 71.5325, 71.8755,  
57.1176

■ 21.0114, 22.9460,  
50.3360

■ 76.7641, 77.9565,  
58.0156

■ 18.4964, 19.8927,  
49.8792

■ 79.1639, 82.7562,  
58.8156

■ 16.4777, 17.2403,  
49.4737

■ 81.6857, 87.7998,  
59.6562

■ 14.9087, 14.9613,  
49.1164

■ 84.3312, 93.0908,  
60.5380

■ 13.7176, 13.0147,  
48.8035

■ 85.9698, 96.3679,  
61.0842

# Harmonies

## Analogous

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



41.6179, 45.0010, 52.1517



42.3042, 45.0010, 53.4701



43.1244, 45.0010, 53.5663

# Triad

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



42.3042, 45.0010, 53.4701



44.3387, 45.0010, 47.9990



41.7029, 45.0010, 45.7377

# Complementary

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



42.3042, 45.0010, 53.4701



44.0603, 45.7834, 45.5455

# 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.



42.4217, 45.0010, 44.6979



42.3042, 45.0010, 53.4701



43.9475, 45.0010, 45.9749

# Square

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



42.3042, 45.0010, 53.4701



44.3062, 45.0010, 50.3557



43.2434, 45.0010, 44.7833



41.2738, 45.0010, 47.6658



# Rectangle

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



42.3042, 45.0010, 53.4701



43.6374, 45.0010, 52.9200



43.2434, 45.0010, 44.7833



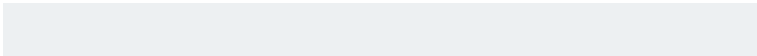
41.9183, 45.0010, 45.2756

# Sweetspot

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



42.3055, 45.0029, 53.4711



82.2821, 86.8143, 96.6215



42.8958, 47.5567, 49.4347



18.1455, 19.1423, 21.2810



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

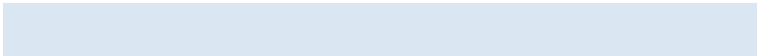


# Same Dimension

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



42.3055, 45.0029, 53.4711



73.5471, 78.4584, 95.4690



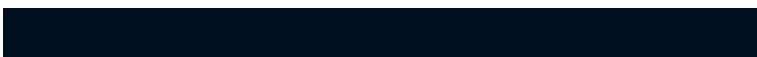
40.8795, 42.1508, 52.9957



9.4265, 10.0454, 12.1143



9.3774, 8.8665, 33.6101



0.4322, 0.4771, 1.3382



# Inverse Universe

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



43.4853, 43.3662, 49.2607



76.1983, 74.8439, 85.9937



45.5523, 48.7674, 46.0429



9.7372, 9.6192, 11.0049



15.7340, 7.9248, 9.1590

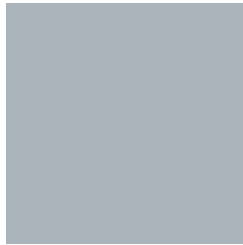


0.6491, 0.3235, 0.5313



# Previews

## White Background



This preview shows how the XYZ color 42.3042, 45.0010, 53.4701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

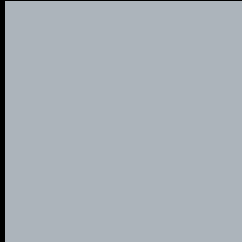
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3042, 45.0010, 53.4701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

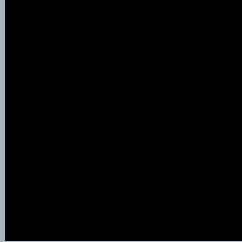
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 42.3042, 45.0010, 53.4701

## Background



This preview shows how black text looks on a background with the XYZ color 42.3042, 45.0010, 53.4701.



This preview shows how white text looks on a background with the XYZ color 42.3042, 45.0010,



# 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

42.3042, 45.0010, 53.4701

### Protanopia

43.6057, 45.0893, 52.8592

### Deuteranopia

45.7589, 44.7244, 53.7979



## Tritanopia

42.9793, 44.9747, 56.8678

# Trichromacy



## Original Color

42.3042, 45.0010, 53.4701

## Protanomaly

43.1145, 45.1325, 52.8934

## Deuteranomaly

44.6100, 44.9958, 53.9108

## Tritanomaly

42.7577, 44.8860, 55.7005

# Monochromacy



## Original Color

42.3042, 45.0010, 53.4701

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

42.3651, 44.8065, 50.1317

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3042, 45.0010, 53.4701 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, 180, 187)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 187)  
}
```

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, 180, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3042, 45.0010, 53.4701 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, 180, 187) }
```



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

```
.border{ border-color:rgb(172, 180, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 180, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 180, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 180, 187);  
box-shadow:4px 4px 4px 4px rgb(172, 180,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3042, 45.0010, 53.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 187) }
```

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

```
.background{ background-color: rgb(172,  
180, 187) }
```

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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