

# Converting Colors

XYZ(50.4169, 54.1760, 75.5093)

Have a look what the booklet for  
XYZ(50.4169, 54.1760, 75.5093)  
contains.

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# Color

**XYZ(50.3401, 54.0985,  
75.4990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEC5DC
RGB	174, 197, 220
RGB Percent	68%, 77%, 86%
CMY	0.3176, 0.2274, 0.1372
CMYK	0.21, 0.10, 0.00, 0.14
HSL	210°, 40%, 77%
HSV	210°, 21%, 86%
XYZ	50.3401, 54.0985, 75.4990
YIQ	192.7450, -21.0910, 2.2770

# Conversions

## Conversions Part 2

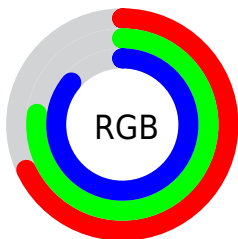
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 189, 220
Decimal	11453916
CIE <sub>Lab</sub>	78.52, -2.87, -14.06
CIE <sub>LCh</sub>	79, 14.346, 258.462
Yxy	54.0985, 0.2798, 0.3007
Android (android.graphics.Color)	4289643996 (0xFFAEC5DC)
<b>YUV</b>	192.7450, 13.4367, -16.4394
Hunter-Lab	73.5517, -6.5468, -9.3736

# Details

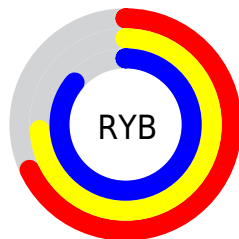
The XYZ color **50.3401, 54.0985, 75.4990** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.1220, 58.2043, 48.2696**, and the grayscale version is **50.4727, 53.1012, 57.8272**.

A 20% lighter version of the original color is **86.1249, 94.9266, 108.3911**, and **24.4991, 26.4265, 39.4069** is the 20% darker color. If you saturate the color by 10%, you get **43.4278, 46.9630, 74.4869**, and if you desaturate by 10%, it is **58.2407, 62.0168, 76.6119**.

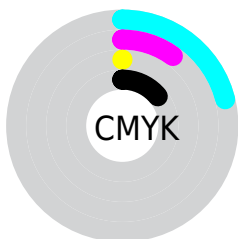
# Distribution



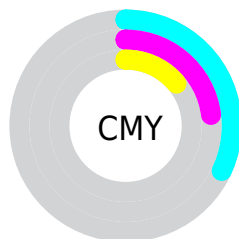
- Red (68%)
- Green (77%)
- Blue (86%)



- Red (68%)
- Yellow (74%)
- Blue (86%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)



- Cyan (32%)
- Magenta (23%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3401, 54.0985, 75.4990 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 50.3401, 54.0985, 75.4990 by changing the saturation by 10% instead.



■ 50.3401, 54.0985,  
75.4990

■ 50.3401, 54.0985,  
75.4990

378.4245,  
402.4855, 498.9321

■ 35.9026, 38.6804,  
55.5176

■ 89.8674, 96.2189,  
128.7721

■ 24.5287, 26.5112,  
39.4149

115.6879,  
123.6899, 162.9008

■ 15.8532, 17.2065,  
26.7723

146.0335,  
155.9474, 202.5824

■ 9.5105, 10.3818,  
17.1714

181.2694,  
193.3758, 248.2354

■ 5.1354, 5.6528,  
10.1935

221.7612,  
236.3594, 300.2783

■ 2.3625, 2.6352,  
5.4202

267.8740,

■ 0.8264, 0.9444,

285.2826, 359.1297

2.4328

319.9733,  
340.5298, 425.2081

■ 0.0000, 0.0000,  
0.8042

■ 0.0000, 0.0000,  
0.0000

■ 50.3401, 54.0985,  
75.4990

■ 50.3401, 54.0985,  
75.4990

■ 43.4278, 46.9630,  
74.4869

■ 58.2407, 62.0168,  
76.6119

■ 37.4559, 40.5757,  
73.5688

■ 67.1648, 70.7374,  
77.8248

■ 32.3798, 34.9091,  
72.7426

■ 77.1517, 80.2874,  
79.1417

■ 28.1489, 29.9310,  
72.0047

■ 85.6138, 89.3380,  
80.4427

■ 24.7073, 25.6061,  
71.3513

■ 88.9686, 96.0476,  
81.5609

■ 21.9910, 21.8950,  
70.7781

■ 89.9184, 97.9474,  
81.8776

■ 19.9248, 18.7517,  
70.2803

■ 18.4956, 16.3217,  
69.8866

# Harmonies

## Analogous

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



47.9004, 54.0985, 71.3326



50.3401, 54.0985, 75.4990



53.1584, 54.0985, 74.9267

# Triad

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



50.3401, 54.0985, 75.4990



56.7454, 54.0985, 54.1138



47.4593, 54.0985, 49.1785

# Complementary

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



50.3401, 54.0985, 75.4990



57.1220, 58.2043, 48.2696

# 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.



49.7180, 54.0985, 45.3458



50.3401, 54.0985, 75.4990



55.1058, 54.0985, 48.0101

# Square

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



50.3401, 54.0985, 75.4990



56.9269, 54.0985, 62.0709



52.5132, 54.0985, 44.9386



46.2783, 54.0985, 55.8468



# Rectangle

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



50.3401, 54.0985, 75.4990



54.8722, 54.0985, 71.9444



52.5132, 54.0985, 44.9386



48.1138, 54.0985, 47.5431

# Sweetspot

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



50.3417, 54.1007, 75.5002



87.2515, 92.4291, 107.8497



53.0403, 64.1823, 61.9579



18.5007, 19.6126, 23.0605



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

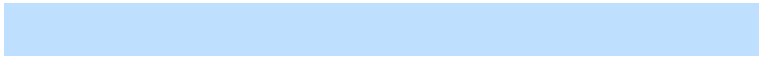


# Same Dimension

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



50.3417, 54.1007, 75.5002



66.0207, 71.1726, 104.8658



45.6596, 44.7365, 73.9395



12.8739, 13.6876, 16.6156



10.9662, 9.8019, 41.0524



0.7966, 0.8074, 2.6883



# Inverse Universe

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



54.7306, 49.5203, 59.4996



73.2619, 63.9654, 78.3878



62.5486, 69.0575, 50.0784



13.3262, 13.1596, 14.9792



19.0306, 9.6133, 9.8070

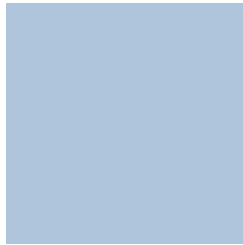


1.2764, 0.6402, 0.8644



# Previews

## White Background



This preview shows how the XYZ color 50.3401, 54.0985, 75.4990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

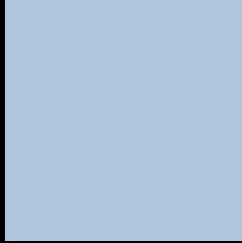
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3401, 54.0985, 75.4990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

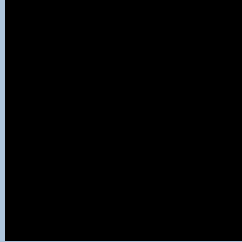
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

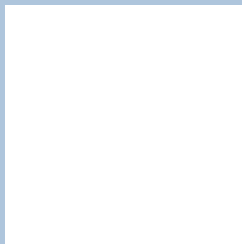
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.3401, 54.0985, 75.4990

## Background



This preview shows how black text looks on a background with the XYZ color 50.3401, 54.0985, 75.4990.



This preview shows how white text looks on a background with the XYZ color 50.3401, 54.0985,



# 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

50.3401, 54.0985, 75.4990

### Protanopia

53.0802, 54.2260, 73.3147

### Deuteranopia

55.2018, 53.9485, 76.6109



## Tritanopia

49.5653, 54.1274, 71.4536

# Trichromacy



## Original Color

50.3401, 54.0985, 75.4990

## Protanomaly

51.9543, 53.9598, 74.0067

## Deuteranomaly

53.3866, 53.9961, 76.0151

## Tritanomaly

49.8223, 54.2303, 72.8073

# Monochromacy



## Original Color

50.3401, 54.0985, 75.4990

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.3210, 53.3345, 64.1423

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3401, 54.0985, 75.4990 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(174, 197, 220)` looks like.

```
.text, #text, p{  
    color:rgb(174, 197, 220)  
}
```

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(174, 197, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 197, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3401, 54.0985, 75.4990 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(174, 197, 220) }
```



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

```
.border{ border-color:rgb(174, 197, 220) }
```

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

Here you see how a box with a 4 pixel rgb(174, 197, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 197, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 197, 220);  
box-shadow:4px 4px 4px 4px rgb(174, 197,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3401, 54.0985, 75.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 197, 220) }
```

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

```
.background{ background-color: rgb(174,  
197, 220) }
```

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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