

# Converting Colors

XYZ(55.5969, 54.1610, 75.3164)

Have a look what the booklet for  
XYZ(55.5969, 54.1610, 75.3164)  
contains.

<b>XYZ(55.4730, 54.1191, 75.2324)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(55.4730, 54.1191,  
75.2324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CABDDC
RGB	202, 189, 220
RGB Percent	79%, 74%, 86%
CMY	0.2078, 0.2588, 0.1373
CMYK	0.08, 0.14, 0.00, 0.14
HSL	265°, 31%, 80%
HSV	265°, 14%, 86%
XYZ	55.4730, 54.1191, 75.2324
YIQ	196.4210, -2.2030, 12.3970

# Conversions

## Conversions Part 2

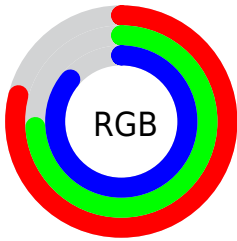
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 189, 220
Decimal	13286876
CIE Lab	78.53, 10.39, -13.83
CIE LCh	79, 17.293, 306.910
Yxy	54.1191, 0.3001, 0.2928
Android (android.graphics.Color)	4291476956 (0xFFCABDDC)
YUV	196.4210, 11.6244, 4.8928
Hunter-Lab	73.5657, 5.8599, -9.1373

# Details

The XYZ color **55.4730, 54.1191, 75.2324** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.5126, 68.1273, 58.1073**, and the grayscale version is **52.6568, 55.3991, 60.3296**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **27.8084, 26.6208, 39.2700** is the 20% darker color. If you saturate the color by 10%, you get **47.7805, 43.6543, 73.6188**, and if you desaturate by 10%, it is **64.1728, 66.1716, 77.1011**.

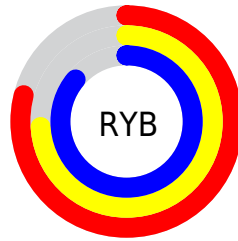
# Distribution



Red (79%)

Green (74%)

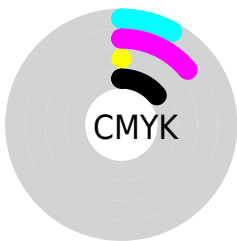
Blue (86%)



Red (79%)

Yellow (74%)

Blue (86%)

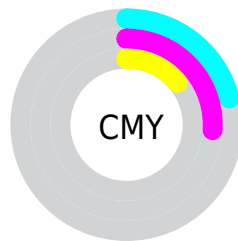


Cyan (8%)

Magenta (14%)

Yellow (0%)

Black (14%)



Cyan (21%)

Magenta (26%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4730, 54.1191, 75.2324 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 55.4730, 54.1191, 75.2324 by changing the saturation by 10% instead.



■ 55.4730, 54.1191,  
75.2324

■ 55.4730, 54.1191,  
75.2324

397.8097,  
402.5640, 497.9927

■ 40.0159, 38.6969,  
55.3004

■ 97.3779, 96.2491,  
128.3914

■ 27.7352, 26.5240,  
39.2421

124.5564,  
123.7257, 162.4555

■ 18.2656, 17.2161,  
26.6388

156.3728,  
155.9892, 202.0674

■ 11.2417, 10.3887,  
17.0721

193.1924,  
193.4239, 247.6456

■ 6.2981, 5.6574,  
10.1234

235.3805,  
236.4144, 299.6087

■ 3.0696, 2.6379,  
5.3742

283.3025,

■ 1.1907, 0.9458,

285.3450, 358.3753

2.4059

337.3238,  
340.6001, 424.3637

■ 0.0990, 0.0000,  
0.7897

■ 0.0000, 0.0000,  
0.0000

■ 55.4730, 54.1191,  
75.2324

■ 55.4730, 54.1191,  
75.2324

■ 47.7805, 43.6543,  
73.6188

■ 64.1728, 66.1716,  
77.1011

■ 41.0512, 34.7023,  
72.2455

■ 73.9118, 79.8688,  
79.2316

■ 35.2450, 27.1924,  
71.1020

■ 84.7249, 95.2700,  
81.6344

■ 30.3166, 21.0454,  
70.1752

■ 89.2239, 97.5893,  
81.8450

■ 26.2167, 16.1739,  
69.4510

■ 89.9184, 97.9474,  
81.8775

■ 22.8904, 12.4804,  
68.9134

■ 20.2750, 9.8522,  
68.5440

■ 18.2958, 8.1532,  
68.3204

■ 17.3569, 7.4555,  
68.2352

# Harmonies

## Analogous

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



52.2306, 54.1191, 79.5773



55.4730, 54.1191, 75.2324



57.7016, 54.1191, 66.5927

# Triad

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



55.4730, 54.1191, 75.2324



54.0500, 54.1191, 43.3015



45.2069, 54.1191, 61.2122

# Complementary

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



55.4730, 54.1191, 75.2324



60.5126, 68.1273, 58.1073

# 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.



45.6460, 54.1191, 51.8724



55.4730, 54.1191, 75.2324



50.6546, 54.1191, 42.1984

# Square

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



55.4730, 54.1191, 75.2324



56.8550, 54.1191, 48.3643



47.6047, 54.1191, 45.1653



46.3776, 54.1191, 70.9243



# Rectangle

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



55.4730, 54.1191, 75.2324



58.2595, 54.1191, 59.9433



47.6047, 54.1191, 45.1653



45.1720, 54.1191, 57.9213

# Sweetspot

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



55.4746, 54.1214, 75.2336



89.7363, 92.5577, 107.7436



56.2395, 60.6541, 76.4542



18.9990, 19.5206, 23.0164



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.



55.4746, 54.1214, 75.2336



74.0837, 70.9265, 104.3933



59.8568, 56.3805, 75.4387



12.8535, 12.8826, 16.4613



10.3072, 4.4377, 40.0517



0.7646, 0.3374, 2.5993



# Inverse Universe

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



58.9771, 56.1182, 66.7576



79.9563, 74.2762, 90.1078



56.4133, 66.0141, 57.9155



13.3715, 13.1777, 15.2175



19.6561, 9.8635, 13.1008



1.3161, 0.6561, 1.0733



# Previews

## White Background



This preview shows how the XYZ color 55.4730, 54.1191, 75.2324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

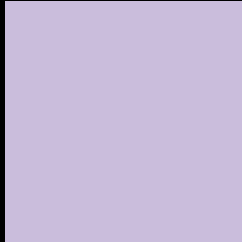
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.4730, 54.1191, 75.2324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

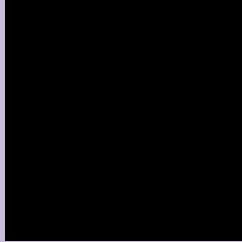
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.4730, 54.1191, 75.2324

## Background



This preview shows how black text looks on a background with the XYZ color 55.4730, 54.1191, 75.2324.



This preview shows how white text looks on a background with the XYZ color 55.4730, 54.1191,



# 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

55.4730, 54.1191, 75.2324

### Protanopia

53.2410, 54.2327, 76.7691

### Deuteranopia

55.2033, 53.9800, 75.2198



## Tritanopia

53.5908, 53.9972, 65.9905

# Trichromacy



## Original Color

55.4730, 54.1191, 75.2324

## Protanomaly

54.1489, 54.3891, 76.0508

## Deuteranomaly

55.2033, 53.9800, 75.2198

## Tritanomaly

54.2587, 53.9476, 69.1812

# Monochromacy



## Original Color

55.4730, 54.1191, 75.2324

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

53.3781, 54.5535, 65.4742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4730, 54.1191, 75.2324 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(202, 189, 220)` looks like.

```
.text, #text, p{  
    color:rgb(202, 189, 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(202, 189, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 189, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4730, 54.1191, 75.2324 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(202, 189, 220) }
```



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

```
.border{ border-color:rgb(202, 189, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 189, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 189, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 189, 220);  
box-shadow:4px 4px 4px 4px rgb(202, 189,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4730, 54.1191, 75.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 189, 220) }
```

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

```
.background{ background-color: rgb(202,  
189, 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](#).

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