

# Converting Colors

XYZ(55.5542, 54.3873, 74.1537)

Have a look what the booklet for  
XYZ(55.5542, 54.3873, 74.1537)  
contains.

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# Color

**XYZ(55.6969, 54.5854,  
73.9302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBBEDA
RGB	203, 190, 218
RGB Percent	80%, 75%, 85%
CMY	0.2039, 0.2549, 0.1451
CMYK	0.07, 0.13, 0.00, 0.15
HSL	268°, 27%, 80%
HSV	268°, 13%, 85%
XYZ	55.6969, 54.5854, 73.9302
YIQ	197.0790, -1.2400, 11.4640

# Conversions

## Conversions Part 2

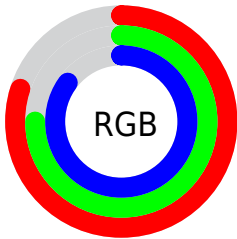
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 190, 218
Decimal	13352666
CIE Lab	78.80, 9.78, -12.33
CIE LCh	79, 15.741, 308.412
Yxy	54.5854, 0.3024, 0.2963
Android (android.graphics.Color)	4291542746 (0xFFCBBEDA)
YUV	197.0790, 10.3141, 5.1927
Hunter-Lab	73.8819, 5.2713, -7.6114

# Details

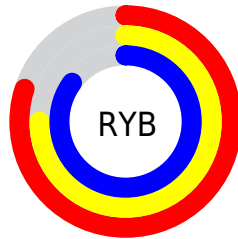
The XYZ color **55.6969, 54.5854, 73.9302** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.5447, 66.8412, 58.4812**, and the grayscale version is **53.0602, 55.8235, 60.7918**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **27.9509, 26.9252, 38.3742** is the 20% darker color. If you saturate the color by 10%, you get **48.2623, 44.2610, 72.3301**, and if you desaturate by 10%, it is **64.0807, 66.4504, 75.7793**.

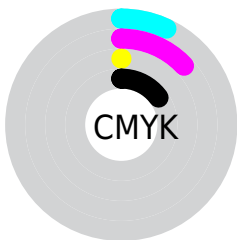
# Distribution



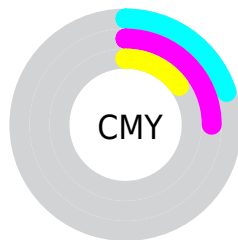
- Red (80%)
- Green (75%)
- Blue (85%)



- Red (80%)
- Yellow (75%)
- Blue (85%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (25%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6969, 54.5854, 73.9302 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 55.6969, 54.5854, 73.9302 by changing the saturation by 10% instead.



■ 55.6969, 54.5854,  
73.9302

■ 55.6969, 54.5854,  
73.9302

398.6418,  
404.3384, 493.3894

■ 40.1960, 39.0699,  
54.2405

■ 97.7037, 96.9332,  
126.5300

■ 27.8763, 26.8141,  
38.3995

124.9402,  
124.5343, 160.2771

■ 18.3724, 17.4336,  
25.9886

156.8194,  
156.9328, 199.5471

■ 11.3190, 10.5442,  
16.5894

193.7065,  
194.5129, 244.7586

■ 6.3507, 5.7612,  
9.7834

235.9670,  
237.6591, 296.3300

■ 3.1021, 2.7004,  
5.1518

283.9661,

■ 1.2080, 0.9774,

286.7559, 354.6799

2.2763

338.0693,  
342.1875, 420.2269

■ 0.1127, 0.0000,  
0.7179

■ 0.0000, 0.0000,  
0.0000

■ 55.6969, 54.5854,  
73.9302

■ 55.6969, 54.5854,  
73.9302

■ 48.2623, 44.2610,  
72.3301

■ 64.0807, 66.4504,  
75.7793

■ 41.7354, 35.4050,  
70.9647

■ 73.4431, 79.9103,  
77.8839

■ 36.0789, 27.9499,  
69.8238

■ 83.6889, 94.7663,  
80.2114

■ 31.2507, 21.8196,  
68.8951

■ 87.7397, 96.8546,  
80.4010

■ 27.2047, 16.9311,  
68.1647

■ 89.6551, 97.8420,  
80.4906

■ 23.8900, 13.1911,  
67.6175

■ 21.2483, 10.4928,  
67.2360

■ 19.2105, 8.7079,  
66.9988

■ 18.0444, 7.8403,  
66.8928

# Harmonies

## Analogous

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



52.7638, 54.5854, 78.0908



55.6969, 54.5854, 73.9302



57.6591, 54.5854, 65.9788

# Triad

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



55.6969, 54.5854, 73.9302



54.1193, 54.5854, 44.8544



46.1736, 54.5854, 61.9817

# Complementary

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



55.6969, 54.5854, 73.9302



59.5447, 66.8412, 58.4812

# 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.



46.5039, 54.5854, 53.3374



55.6969, 54.5854, 73.9302



51.0096, 54.5854, 44.0143

# Square

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



55.6969, 54.5854, 73.9302



56.7232, 54.5854, 49.3910



48.2450, 54.5854, 46.9689



47.3240, 54.5854, 70.7541



# Rectangle

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



55.6969, 54.5854, 73.9302



58.1091, 54.5854, 59.9115



48.2450, 54.5854, 46.9689



46.1161, 54.5854, 58.9595

# Sweetspot

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



55.6985, 54.5877, 73.9314



89.8999, 92.6421, 107.7512



55.8193, 59.8654, 74.9437



19.0404, 19.5419, 23.0184



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.



55.6985, 54.5877, 73.9314



76.8967, 74.2952, 104.8953



59.5665, 56.5817, 74.1124



12.9104, 12.9119, 16.4639



10.9319, 4.7598, 40.0810



0.8070, 0.3593, 2.6013



# Inverse Universe

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



58.3483, 56.1426, 65.5219



81.3101, 76.8856, 90.8623



55.9543, 64.9903, 58.3132



13.3462, 13.1676, 15.0845



19.2937, 9.7185, 11.1926



1.2933, 0.6470, 0.9535



# Previews

## White Background



This preview shows how the XYZ color 55.6969, 54.5854, 73.9302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

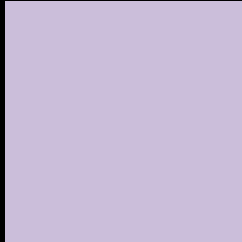
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.6969, 54.5854, 73.9302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

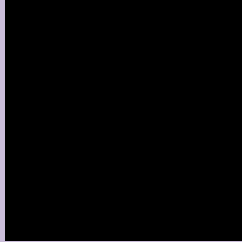
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.6969, 54.5854, 73.9302

## Background



This preview shows how black text looks on a background with the XYZ color 55.6969, 54.5854, 73.9302.



This preview shows how white text looks on a background with the XYZ color 55.6969, 54.5854,



# 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

55.6969, 54.5854, 73.9302

### Protanopia

53.6959, 54.8272, 75.4628

### Deuteranopia

55.6969, 54.5854, 73.9302



## Tritanopia

54.1995, 54.6218, 66.7179

# Trichromacy



## Original Color

55.6969, 54.5854, 73.9302

## Protanomaly

54.3618, 54.8565, 74.7410

## Deuteranomaly

55.6969, 54.5854, 73.9302

## Tritanomaly

54.7458, 54.5213, 69.2663

# Monochromacy



## Original Color

55.6969, 54.5854, 73.9302

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

53.8644, 55.1335, 65.5605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6969, 54.5854, 73.9302 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(203, 190, 218)` looks like.

```
.text, #text, p{  
    color:rgb(203, 190, 218)  
}
```

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(203, 190, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 190, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6969, 54.5854, 73.9302 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(203, 190, 218) }
```



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

```
.border{ border-color:rgb(203, 190, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 190, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 190, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 190, 218);  
box-shadow:4px 4px 4px 4px rgb(203, 190,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6969, 54.5854, 73.9302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 190, 218) }
```

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

```
.background{ background-color: rgb(203,  
190, 218) }
```

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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