

# Converting Colors

XYZ(44.2978, 40.6128, 55.7074)

Have a look what the booklet for  
XYZ(44.2978, 40.6128, 55.7074)  
contains.

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# Color

**XYZ(44.3628, 40.6775,  
55.9654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1A1C1
RGB	193, 161, 193
RGB Percent	76%, 63%, 76%
CMY	0.2431, 0.3686, 0.2431
CMYK	0.00, 0.17, 0.00, 0.24
HSL	300°, 21%, 69%
HSV	300°, 17%, 76%
XYZ	44.3628, 40.6775, 55.9654
YIQ	174.2160, 8.8000, 16.7360

# Conversions

## Conversions Part 2

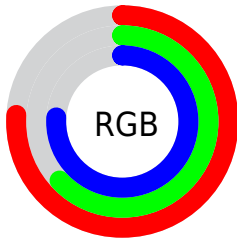
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 161, 193
Decimal	12689857
CIE <sub>Lab</sub>	69.95, 17.38, -12.02
CIE <sub>LCh</sub>	70, 21.130, 325.332
Yxy	40.6775, 0.3146, 0.2885
Android (android.graphics.Color)	4290879937 (0xFFC1A1C1)
YUV	174.2160, 9.2605, 16.4736
Hunter-Lab	63.7789, 12.5464, -7.3812

# Details

The XYZ color **44.3628, 40.6775, 55.9654** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.2025, 48.2913, 40.9227**, and the grayscale version is **40.2949, 42.3933, 46.1664**.

A 20% lighter version of the original color is **81.0791, 76.2753, 100.0718**, and **20.7763, 18.2903, 26.8615** is the 20% darker color. If you saturate the color by 10%, you get **41.2474, 34.4461, 54.9274**, and if you desaturate by 10%, it is **48.0012, 47.9536, 57.1787**.

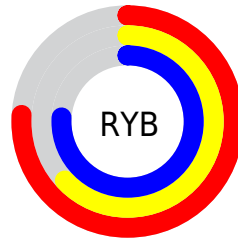
# Distribution



Red (76%)

Green (63%)

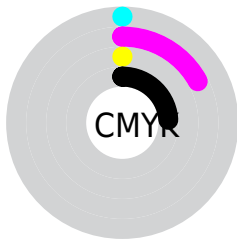
Blue (76%)



Red (76%)

Yellow (63%)

Blue (76%)

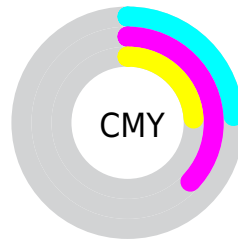


Cyan (0%)

Magenta (17%)

Yellow (0%)

Black (24%)



Cyan (24%)

Magenta (37%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3628, 40.6775, 55.9654 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 44.3628, 40.6775, 55.9654 by changing the saturation by 10% instead.





 44.3628, 40.6775,  
55.9654

 44.3628, 40.6775,  
55.9654


355.0140,  
348.9709, 426.9457

 31.1550, 28.0672,  
39.7714


 81.0064, 76.1941,  
100.4393

 20.8693, 18.3763,  
27.0479


 105.1728, 99.8691,  
129.5562

 13.1404, 11.2205,  
17.3764


133.7228,  
128.0012, 163.8179

 7.6030, 6.2153,  
10.3385

167.0218,  
160.9747, 203.6428

 3.8916, 2.9765,  
5.5154

205.4350,  
199.1741, 249.4495

 1.6410, 1.1195,  
2.4888

249.3279,

 0.4189, 0.0000,

242.9836, 301.6565

0.8342

299.0657,  
292.7878, 360.6824

■ 0.0000, 0.0000,  
0.0000

■ 44.3628, 40.6775,  
55.9654

■ 44.3628, 40.6775,  
55.9654

■ 41.2474, 34.4461,  
54.9274

■ 48.0012, 47.9536,  
57.1787

■ 38.6276, 29.2065,  
54.0541

■ 52.1812, 56.3137,  
58.5721

■ 36.4789, 24.9092,  
53.3378

■ 56.9251, 65.8014,  
60.1534

■ 34.7735, 21.4982,  
52.7693

■ 62.2526, 76.4565,  
61.9293

■ 33.4803, 18.9118,  
52.3382

■ 67.3784, 86.7079,  
63.6379

■ 32.5645, 17.0803,  
52.0329

■ 67.3784, 86.7079,  
63.6379

■ 31.9856, 15.9224,  
51.8399

■ 67.3784, 86.7079,  
63.6380

■ 31.6900, 15.3312,  
51.7413

■ 67.3784, 86.7079,  
63.6380

■ 31.6183, 15.1879,  
51.7174

■ 67.3784, 86.7079,  
63.6380

# Harmonies

## Analogous

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



41.5628, 40.6775, 63.7167



44.3628, 40.6775, 55.9654



45.6380, 40.6775, 45.8508

# Triad

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



44.3628, 40.6775, 55.9654



39.2036, 40.6775, 27.9643



32.9864, 40.6775, 52.9016

# Complementary

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



44.3628, 40.6775, 55.9654



40.2025, 48.2913, 40.9227

# 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.



32.4371, 40.6775, 42.7668



44.3628, 40.6775, 55.9654



35.9008, 40.6775, 29.2789

# Square

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



44.3628, 40.6775, 55.9654



42.5491, 40.6775, 30.4646



33.4731, 40.6775, 34.3645



35.0205, 40.6775, 61.7718



# Rectangle

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



44.3628, 40.6775, 55.9654



45.4000, 40.6775, 39.4679



33.4731, 40.6775, 34.3645



32.6273, 40.6775, 49.4915

# Sweetspot

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



44.3640, 40.6793, 55.9663



87.0297, 88.0045, 102.7599



37.0703, 36.9192, 55.6250



18.5628, 18.6640, 22.0094



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



44.3640, 40.6793, 55.9663



77.2639, 68.4729, 99.5045



42.6744, 40.0034, 47.0687



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3978



0.9086, 0.4365, 1.4862



# Inverse Universe

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



44.3640, 40.6793, 55.9663



77.2639, 68.4729, 99.5045



41.7052, 48.8924, 48.8355



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3978

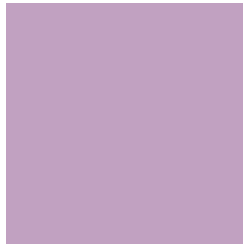


0.9086, 0.4365, 1.4862



# Previews

## White Background



This preview shows how the XYZ color 44.3628, 40.6775, 55.9654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

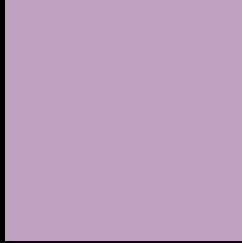
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.3628, 40.6775, 55.9654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

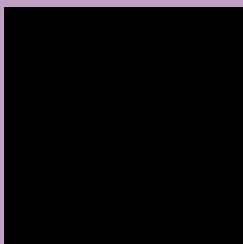
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.3628, 40.6775, 55.9654**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3628, 40.6775, 55.9654.



This preview shows how white text looks on a background with the XYZ color 44.3628, 40.6775,

55.9654.

# 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

44.3628, 40.6775, 55.9654

### Protanopia

40.4094, 40.9800, 59.8129

### Deuteranopia

41.6932, 40.9082, 55.5678



## Tritanopia

42.6971, 40.8016, 47.2201

# Trichromacy



## Original Color

44.3628, 40.6775, 55.9654

## Protanomaly

41.8013, 40.8988, 58.5144

## Deuteranomaly

42.4980, 40.7833, 55.5013

## Tritanomaly

43.3827, 40.8198, 50.3922

# Monochromacy



## Original Color

44.3628, 40.6775, 55.9654

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

41.5845, 41.5359, 49.5415

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3628, 40.6775, 55.9654 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(193, 161, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 161, 193)  
}
```

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(193, 161, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 161, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3628, 40.6775, 55.9654 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(193, 161, 193) }
```



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

```
.border{ border-color:rgb(193, 161, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 161, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 161, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 161, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 161,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3628, 40.6775, 55.9654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 161, 193) }
```

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

```
.background{ background-color: rgb(193,  
161, 193) }
```

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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