

# Converting Colors

XYZ(53.7967, 39.3022, 74.4673)

Have a look what the booklet for  
XYZ(53.7967, 39.3022, 74.4673)  
contains.

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# Color

**XYZ(53.8020, 39.2669,  
74.5556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E388DF
RGB	227, 136, 223
RGB Percent	89%, 53%, 87%
CMY	0.1098, 0.4666, 0.1255
CMYK	0.00, 0.40, 0.02, 0.11
HSL	303°, 62%, 71%
HSV	303°, 40%, 89%
XYZ	53.8020, 39.2669, 74.5556
YIQ	173.1270, 26.3090, 46.3490

# Conversions

## Conversions Part 2

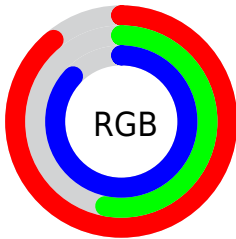
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">227, 136, 223</a>
Decimal	<a href="#">14911711</a>
CIELab	<a href="#">68.94, 47.47, -29.82</a>
CIELCh	<a href="#">69, 56.062, 327.860</a>
Yxy	<a href="#">39.2669, 0.3210, 0.2343</a>
Android (android.graphics.Color)	<a href="#">4293101791 (0xFFE388DF)</a>
YUV	<a href="#">173.1270, 24.5874, 47.2466</a>
Hunter-Lab	<a href="#">62.6633, 43.5973, -26.6778</a>

# Details

The XYZ color **53.8020, 39.2669, 74.5556** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.3577, 62.0673, 34.5609**, and the grayscale version is **39.6556, 41.7207, 45.4339**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **26.7387, 17.5597, 39.0259** is the 20% darker color. If you saturate the color by 10%, you get **50.8034, 33.4836, 72.8945**, and if you desaturate by 10%, it is **57.4809, 46.4079, 76.4482**.

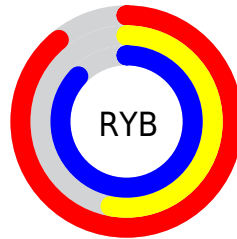
# Distribution



Red (89%)

Green (53%)

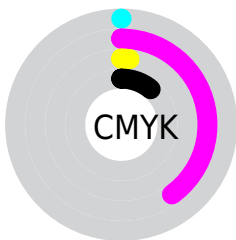
Blue (87%)



Red (89%)

Yellow (53%)

Blue (87%)

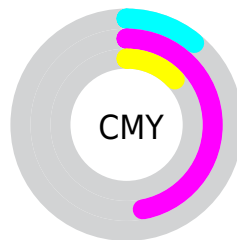


Cyan (0%)

Magenta (40%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (47%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8020, 39.2669, 74.5556 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 53.8020, 39.2669, 74.5556 by changing the saturation by 10% instead.





 53.8020, 39.2669,  
74.5556

 53.8020, 39.2669,  
74.5556


391.5652,  
343.0239, 495.6033


 38.6734, 26.9674,  
54.7494

 94.9421, 74.0459,  
127.4244

 26.6853, 17.5488,  
38.8038


 121.6843, 97.2942,  
161.3240

 17.4724, 10.6265,  
26.3005


 153.0284,  
124.9608, 200.7586

 10.6693, 5.8163,  
16.8208

189.3398,  
157.4303, 246.1465

 5.9105, 2.7337,  
9.9462

230.9838,  
195.0869, 297.9064

 2.8309, 0.9943,  
5.2582

278.3258,

 1.0650, 0.0000,

238.3152, 356.4568

2.3381

331.7312,  
287.4993, 422.2163

■ 0.0000, 0.0000,  
0.7525

■ 0.0000, 0.0000,  
0.0000

■ 53.8020, 39.2669,  
74.5556

■ 53.8020, 39.2669,  
74.5556

■ 50.8034, 33.4836,  
72.8945

■ 57.4809, 46.4079,  
76.4482

■ 48.4382, 28.9666,  
71.4480


■ 61.8756, 54.9801,  
78.5829

■ 46.6595, 25.6215,  
70.2010


■ 67.0238, 65.0578,  
80.9727


■ 45.4125, 23.3385,  
69.1350

■ 72.9591, 76.7087,  
83.6288


 44.6319, 21.9869,  
68.2284


 79.7136, 89.9966,  
86.5619

 44.2062, 21.3420,  
67.4495

 81.5803, 93.5077,  
87.8697

 81.7201, 93.5636,  
88.6058

 81.8607, 93.6198,  
89.3461

 82.0021, 93.6764,  
90.0907

# Harmonies

## Analogous

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



45.9204, 39.2669, 102.5105



53.8020, 39.2669, 74.5556



57.2090, 39.2669, 44.6150

# Triad

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



53.8020, 39.2669, 74.5556



37.9659, 39.2669, 10.0657



24.1244, 39.2669, 70.0483

# Complementary

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



53.8020, 39.2669, 74.5556



42.3577, 62.0673, 34.5609

# 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.



22.6777, 39.2669, 40.9474



53.8020, 39.2669, 74.5556



29.8701, 39.2669, 12.3801

# Square

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



53.8020, 39.2669, 74.5556



47.2056, 39.2669, 13.2001



24.6062, 39.2669, 21.5928



28.9243, 39.2669, 99.2607



# Rectangle

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



53.8020, 39.2669, 74.5556



56.1334, 39.2669, 29.3956



24.6062, 39.2669, 21.5928



23.2669, 39.2669, 59.6499

# Sweetspot

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



53.8033, 39.2687, 74.5564



85.8374, 81.9202, 104.7643



33.3241, 28.6482, 76.4474



18.1775, 17.1519, 22.3341



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.



53.8033, 39.2687, 74.5564



66.7684, 44.8040, 95.2581



48.5671, 37.1742, 46.9829



14.9663, 14.6037, 18.0229



25.7926, 12.4513, 39.3983



1.9145, 0.9235, 2.9563



# Inverse Universe

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



53.8033, 39.2687, 74.5564



66.7684, 44.8040, 95.2581



46.3318, 63.6569, 55.4879



14.9663, 14.6037, 18.0229



25.7926, 12.4513, 39.3983



1.9145, 0.9235, 2.9563



# Previews

## White Background



This preview shows how the XYZ color 53.8020, 39.2669, 74.5556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

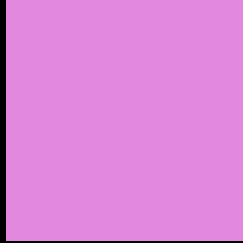
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8020, 39.2669, 74.5556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

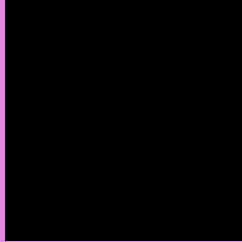
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.8020, 39.2669, 74.5556**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8020, 39.2669, 74.5556.



This preview shows how white text looks on a background with the XYZ color 53.8020, 39.2669,

74.5556.

# 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

53.8020, 39.2669, 74.5556

### Protanopia

41.4261, 39.6770, 92.6638

### Deuteranopia

40.5892, 39.7053, 71.8543



## Tritanopia

46.3939, 39.1282, 38.8255

# Trichromacy



## Original Color

53.8020, 39.2669, 74.5556



## Protanomaly

44.3875, 38.5000, 85.9807



## Deuteranomaly

44.4068, 38.8003, 72.8589



## Tritanomaly

48.7492, 38.9368, 50.2936

# Monochromacy



## Original Color

53.8020, 39.2669, 74.5556



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

43.9671, 40.2407, 54.7401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8020, 39.2669, 74.5556 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(227, 136, 223)` looks like.

```
.text, #text, p{  
    color:rgb(227, 136, 223)  
}
```

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(227, 136, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 136, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8020, 39.2669, 74.5556 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(227, 136, 223) }
```



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

```
.border{ border-color:rgb(227, 136, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 136, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 136, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 136, 223);  
box-shadow:4px 4px 4px 4px rgb(227, 136,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8020, 39.2669, 74.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 136, 223) }
```

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

```
.background{ background-color: rgb(227,  
136, 223) }
```

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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