

# Converting Colors

XYZ(53.0121, 39.3909, 81.0056)

Have a look what the booklet for  
XYZ(53.0121, 39.3909, 81.0056)  
contains.

<b>XYZ(53.0115, 39.3515, 81.1455)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(53.0115, 39.3515,  
81.1455)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB8BE8
RGB	219, 139, 232
RGB Percent	86%, 55%, 91%
CMY	0.1412, 0.4549, 0.0902
CMYK	0.06, 0.40, 0.00, 0.09
HSL	292°, 67%, 73%
HSV	292°, 40%, 91%
XYZ	53.0115, 39.3515, 81.1455
YIQ	173.5220, 17.8270, 45.8830

# Conversions

## Conversions Part 2

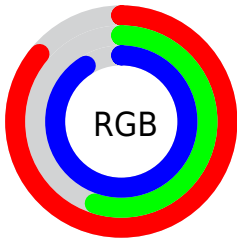
Format	Color
R <sub>Y</sub> B	219, 139, 232
Decimal	14388200
CIE Lab	69.01, 45.17, -34.77
CIE LCh	69, 57.002, 322.416
Yxy	39.3515, 0.3055, 0.2268
Android (android.graphics.Color)	4292578280 (0xFFDB8BE8)
YUV	173.5220, 28.8297, 39.8842
Hunter-Lab	62.7308, 41.0650, -32.7831

# Details

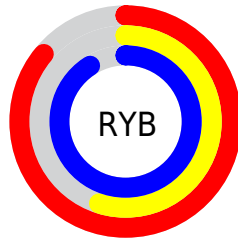
The XYZ color **53.0115, 39.3515, 81.1455** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **46.4670, 66.2537, 34.7671**, and the grayscale version is **39.8391, 41.9138, 45.6441**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **26.1450, 17.6324, 43.0997** is the 20% darker color. If you saturate the color by 10%, you get **49.0362, 32.8343, 80.0977**, and if you desaturate by 10%, it is **57.7212, 47.3074, 82.4335**.

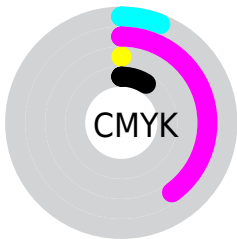
# Distribution



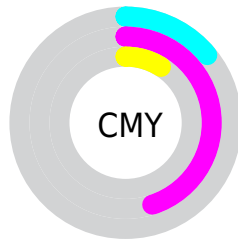
- Red (86%)
- Green (55%)
- Blue (91%)



- Red (86%)
- Yellow (55%)
- Blue (91%)



- Cyan (6%)
- Magenta (40%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (45%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0115, 39.3515, 81.1455 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 53.0115, 39.3515, 81.1455 by changing the saturation by 10% instead.



53.0115, 39.3515,  
81.1455

53.0115, 39.3515,  
81.1455

388.5894,  
343.3826, 518.5931

38.0395, 27.0333,  
60.1297

93.7867, 74.1750,  
136.8010

26.1907, 17.5982,  
43.0972

120.3206, 97.4490,  
172.2777

17.0998, 10.6619,  
29.6294

151.4392,  
125.1438, 213.4119

10.4014, 5.8400,  
19.3078

187.5078,  
157.6437, 260.6221

5.7302, 2.7480,  
11.7139

228.8917,  
195.3332, 314.3267

2.7208, 1.0016,  
6.4290

275.9564,

1.0079, 0.0000,

238.5966, 374.9444

3.0347

329.0672,  
287.8182, 442.8937

■ 0.0000, 0.0000,  
1.1124

■ 0.0000, 0.0000,  
0.0000

■ 53.0115, 39.3515,  
81.1455

■ 53.0115, 39.3515,  
81.1455

■ 49.0362, 32.8343,  
80.0977

■ 57.7212, 47.3074,  
82.4335

■ 45.7457, 27.6595,  
79.2723


■ 63.2030, 56.7799,  
83.9730


■ 43.0905, 23.7276,  
78.6533


■ 69.4964, 67.8473,  
85.7775


■ 41.0125, 20.9223,  
78.2213


■ 76.6375, 80.5812,  
87.8590


 39.4427, 19.1058,  
77.9534


 84.6580, 95.0453,  
90.2281

 38.2707, 18.0467,  
77.8108

 85.7399, 95.6030,  
90.2787

 86.8414, 96.1708,  
90.3303

 87.9627, 96.7489,  
90.3828

 89.1037, 97.3371,  
90.4362

# Harmonies

## Analogous

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



44.4617, 39.3515, 107.6724



53.0115, 39.3515, 81.1455



57.5118, 39.3515, 49.7901

# Triad

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



53.0115, 39.3515, 81.1455



39.7541, 39.3515, 9.9408



23.4745, 39.3515, 64.8782

# Complementary

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



53.0115, 39.3515, 81.1455



46.4670, 66.2537, 34.7671

# 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.



22.6299, 39.3515, 36.5815



53.0115, 39.3515, 81.1455



31.1329, 39.3515, 11.2560

# Square

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



53.0115, 39.3515, 81.1455



49.0919, 39.3515, 14.1853



25.2043, 39.3515, 19.0158



27.7335, 39.3515, 95.9306



# Rectangle

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



53.0115, 39.3515, 81.1455



57.1721, 39.3515, 32.9720



25.2043, 39.3515, 19.0158



22.8132, 39.3515, 54.5198

# Sweetspot

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



53.0128, 39.3532, 81.1463



84.4971, 81.2043, 105.8283



36.5976, 34.0831, 80.9943



17.8598, 16.9822, 22.5865



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.



53.0128, 39.3532, 81.1463



61.6061, 42.0440, 99.4760



52.8737, 39.7671, 59.1976



14.7866, 14.5078, 18.1653



21.3269, 10.0603, 43.2010



1.6307, 0.7716, 3.1950



# Inverse Universe

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



48.1801, 37.8897, 34.4815



55.0545, 40.1184, 33.5735



46.9087, 66.1645, 49.1039



14.4586, 14.4006, 15.3496



18.6500, 9.5942, 1.7858



1.4043, 0.7194, 0.2696



# Previews

## White Background



This preview shows how the XYZ color 53.0115, 39.3515, 81.1455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

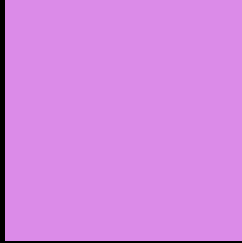
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0115, 39.3515, 81.1455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

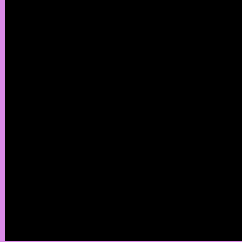
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.0115, 39.3515, 81.1455

## Background



This preview shows how black text looks on a background with the XYZ color 53.0115, 39.3515, 81.1455.



This preview shows how white text looks on a background with the XYZ color 53.0115, 39.3515,



# 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

53.0115, 39.3515, 81.1455

### Protanopia

42.0068, 39.8315, 99.2402

### Deuteranopia

40.6382, 39.5908, 78.1730



## Tritanopia

44.7611, 39.2007, 40.8046

# Trichromacy



## Original Color

53.0115, 39.3515, 81.1455



## Protanomaly

44.4594, 38.6462, 92.3050



## Deuteranomaly

44.1628, 38.7812, 79.2866



## Tritanomaly

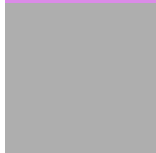
47.2158, 39.0001, 53.1833

# Monochromacy



## Original Color

53.0115, 39.3515, 81.1455



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

43.8304, 40.3770, 57.1132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0115, 39.3515, 81.1455 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(219, 139, 232)` looks like.

```
.text, #text, p{  
    color:rgb(219, 139, 232)  
}
```

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(219, 139, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 139, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0115, 39.3515, 81.1455 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(219, 139, 232) }
```



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

```
.border{ border-color:rgb(219, 139, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 139, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 139, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 139, 232);  
box-shadow:4px 4px 4px 4px rgb(219, 139,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0115, 39.3515, 81.1455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 139, 232) }
```

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

```
.background{ background-color: rgb(219,  
139, 232) }
```

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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