

# Converting Colors

XYZ(47.0503, 40.6115, 39.2351)

Have a look what the booklet for  
XYZ(47.0503, 40.6115, 39.2351)  
contains.

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# Color

**XYZ(47.2020, 40.7445,  
39.0949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB9AA1
RGB	219, 154, 161
RGB Percent	86%, 60%, 63%
CMY	0.1412, 0.3961, 0.3686
CMYK	0.00, 0.30, 0.26, 0.14
HSL	354°, 47%, 73%
HSV	354°, 30%, 86%
XYZ	47.2020, 40.7445, 39.0949
YIQ	174.2330, 36.4930, 15.9570

# Conversions

## Conversions Part 2

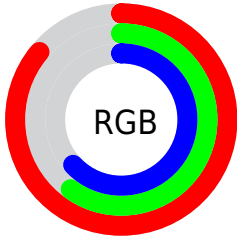
Format	Color
R <sub>Y</sub> B	219, 154, 161
Decimal	14391969
CIE Lab	70.00, 25.28, 6.12
CIE LCh	70, 26.009, 13.607
Yxy	40.7445, 0.3715, 0.3207
Android (android.graphics.Color)	4292582049 (0xFFDB9AA1)
YUV	174.2330, -6.5239, 39.2607
Hunter-Lab	63.8314, 20.2920, 8.3686

# Details

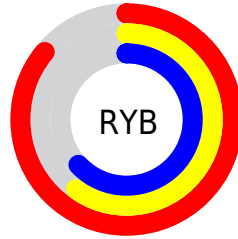
The XYZ color **47.2020, 40.7445, 39.0949** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.5433, 62.2874, 71.6492**, and the grayscale version is **40.3722, 42.4747, 46.2549**.

A 20% lighter version of the original color is **76.4351, 71.8188, 74.7996**, and **22.6701, 18.4151, 17.1115** is the 20% darker color. If you saturate the color by 10%, you get **42.3209, 33.5281, 29.6195**, and if you desaturate by 10%, it is **53.0141, 49.3913, 50.2105**.

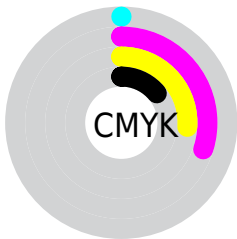
# Distribution



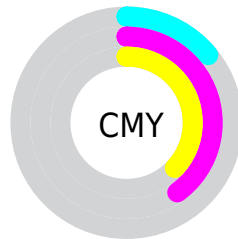
- Red (86%)
- Green (60%)
- Blue (63%)



- Red (86%)
- Yellow (60%)
- Blue (63%)



- Cyan (0%)
- Magenta (30%)
- Yellow (26%)
- Black (14%)



- Cyan (14%)
- Magenta (40%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2020, 40.7445, 39.0949 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 47.2020, 40.7445, 39.0949 by changing the saturation by 10% instead.



47.2020, 40.7445,  
39.0949

47.2020, 40.7445,  
39.0949

366.2557,  
349.2516, 357.7318

33.4040, 28.1195,  
26.5252

85.2320, 76.2959,  
75.0052

22.5968, 18.4158,  
16.9876

110.1946, 99.9911,  
99.1829

14.4151, 11.2489,  
10.0638

139.6096,  
128.1451, 128.0669

8.4936, 6.2345,  
5.3351

173.8421,  
161.1423, 162.0759

4.4668, 2.9882,  
2.3831

213.2577,  
199.3672, 201.6283

1.9695, 1.1256,  
0.7772

258.2216,

0.6167, 0.0000,

243.2041, 247.1427

0.0000

309.0991,  
293.0375, 299.0377

0.0000, 0.0000,  
0.0000

47.2020, 40.7445,  
39.0949

47.2020, 40.7445,  
39.0949

42.3209, 33.5281,  
29.6195

53.0141, 49.3913,  
50.2105

38.3192, 27.6594,  
21.7040

59.7986, 59.5337,  
63.0363

35.1451, 23.0565,  
15.2655

67.5987, 71.2399,  
77.6412

32.7402, 19.6260,  
10.2118

76.4539, 84.5721,  
94.0896

31.0383, 17.2614,  
6.4407

83.0234, 93.8001,  
108.3372

■ 29.9619, 15.8373,  
3.8354

■ 29.3881, 15.1422,  
2.2490

■ 29.3739, 15.1243,  
2.2121

# Harmonies

## Analogous

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



47.0851, 40.7445, 51.2842



47.2020, 40.7445, 39.0949



44.9340, 40.7445, 30.1313

# Triad

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



47.2020, 40.7445, 39.0949



33.3718, 40.7445, 29.5155



36.4711, 40.7445, 70.7414

# Complementary

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



47.2020, 40.7445, 39.0949



50.5433, 62.2874, 71.6492

# 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.



33.1186, 40.7445, 62.4925



47.2020, 40.7445, 39.0949



31.4206, 40.7445, 38.0959

# Square

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



47.2020, 40.7445, 39.0949



36.8401, 40.7445, 25.3217



31.3315, 40.7445, 50.0861



40.6761, 40.7445, 71.1431



# Rectangle

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



47.2020, 40.7445, 39.0949



42.4643, 40.7445, 26.5651



31.3315, 40.7445, 50.0861



35.2146, 40.7445, 68.7346

# Sweetspot

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



47.2031, 40.7464, 39.0957



85.0368, 84.9718, 90.1536



51.3265, 42.1382, 72.4462



17.8789, 17.7045, 18.6900



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.



47.2031, 40.7464, 39.0957



61.9234, 50.5457, 46.0686



51.1508, 49.6016, 37.4525



13.1127, 13.0742, 13.8549



17.4369, 8.9758, 1.4146



1.1493, 0.5893, 0.1950



# Inverse Universe

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



47.2031, 40.7464, 39.0957



61.9234, 50.5457, 46.0686



45.4245, 50.6067, 74.3918



13.1127, 13.0742, 13.8549



17.4369, 8.9758, 1.4146



1.1493, 0.5893, 0.1950



# Previews

## White Background



This preview shows how the XYZ color 47.2020, 40.7445, 39.0949 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 47.2020, 40.7445, 39.0949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

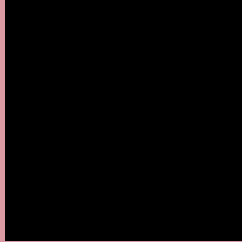
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.2020, 40.7445, 39.0949**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2020, 40.7445, 39.0949.



This preview shows how white text looks on a background with the XYZ color 47.2020, 40.7445,



# 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

47.2020, 40.7445, 39.0949

### Protanopia

39.4978, 41.1421, 43.8897

### Deuteranopia

41.7055, 40.7509, 38.4685



## Tritanopia

47.3962, 40.5591, 40.9280

# Trichromacy



## Original Color

47.2020, 40.7445, 39.0949

## Protanomaly

41.9160, 40.7767, 42.2207

## Deuteranomaly

43.4472, 40.5844, 38.8014

## Tritanomaly

47.3055, 40.5229, 40.4504

# Monochromacy



## Original Color

47.2020, 40.7445, 39.0949

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

42.2154, 41.4492, 43.3116

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2020, 40.7445, 39.0949 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, 154, 161)` looks like.

```
.text, #text, p{  
    color:rgb(219, 154, 161)  
}
```

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, 154, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 154, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2020, 40.7445, 39.0949 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, 154, 161) }
```



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

```
.border{ border-color:rgb(219, 154, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 154, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 154, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 154, 161);  
box-shadow:4px 4px 4px 4px rgb(219, 154,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2020, 40.7445, 39.0949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 154, 161) }
```

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

```
.background{ background-color: rgb(219,  
154, 161) }
```

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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