

# Converting Colors

XYZ(39.9484, 35.7805, 20.9702)

Have a look what the booklet for  
XYZ(39.9484, 35.7805, 20.9702)  
contains.

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# Color

**XYZ(39.8227, 35.6606,  
21.0039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D19373
RGB	209, 147, 115
RGB Percent	82%, 58%, 45%
CMY	0.1804, 0.4235, 0.5490
CMYK	0.00, 0.30, 0.45, 0.18
HSL	20°, 51%, 64%
HSV	20°, 45%, 82%
XYZ	39.8227, 35.6606, 21.0039
YIQ	161.8900, 47.2240, 3.1920

# Conversions

## Conversions Part 2

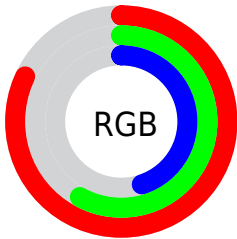
Format	Color
R <sub>Y</sub> B	209, 164, 115
Decimal	13734771
CIE Lab	66.26, 19.57, 26.27
CIE LCh	66, 32.757, 53.309
Yxy	35.6606, 0.4127, 0.3696
Android (android.graphics.Color)	4291924851 (0xFFD19373)
YUV	161.8900, -23.1168, 41.3155
Hunter-Lab	59.7165, 14.5311, 20.9477

# Details

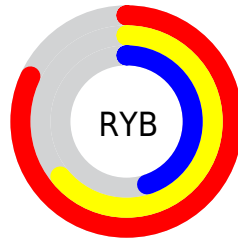
The XYZ color **39.8227, 35.6606, 21.0039** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.3001, 39.6906, 66.1746**, and the grayscale version is **34.3813, 36.1718, 39.3911**.

A 20% lighter version of the original color is **69.1017, 65.8233, 45.6223**, and **18.1151, 15.4345, 7.1786** is the 20% darker color. If you saturate the color by 10%, you get **36.7373, 31.2011, 14.6997**, and if you desaturate by 10%, it is **43.4395, 40.7463, 28.8311**.

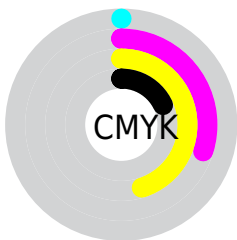
# Distribution



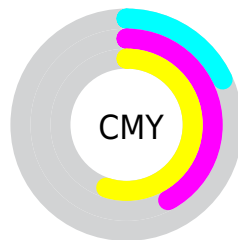
- Red (82%)
- Green (58%)
- Blue (45%)



- Red (82%)
- Yellow (64%)
- Blue (45%)



- Cyan (0%)
- Magenta (30%)
- Yellow (45%)
- Black (18%)




- Cyan (18%)
- Magenta (42%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8227, 35.6606, 21.0039 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 39.8227, 35.6606, 21.0039 by changing the saturation by 10% instead.





 39.8227, 35.6606,  
21.0039


 39.8227, 35.6606,  
21.0039


336.5230,  
327.4747, 270.0809

 27.5839, 24.1722,  
12.9356


 74.1795, 68.5079,  
45.9749

 18.1511, 15.4614,  
7.2540


 97.0283, 90.6356,  
63.7147

 11.1589, 9.1438,  
3.5406


 124.1444,  
117.0784, 85.5153

 6.2419, 4.8351,  
1.3769

155.8932,  
148.2209, 111.7954

 3.0348, 2.1509,  
0.1236

192.6401,  
184.4474, 142.9735

 1.1722, 0.6930,  
0.0000

234.7505,

 0.0842, 0.0000,

226.1422, 179.4681

0.0000

282.5897,  
273.6898, 221.6977

0.0000, 0.0000,  
0.0000

39.8227, 35.6606,  
21.0039

39.8227, 35.6606,  
21.0039

36.7373, 31.2011,  
14.6997

43.4395, 40.7463,  
28.8311

34.1527, 27.3371,  
9.8149

47.6103, 46.4770,  
38.2710

32.0395, 24.0428,  
6.2366

52.3600, 52.8770,  
49.4089

30.3629, 21.2881,  
3.8329

57.7107, 59.9678,  
62.3235

29.0825, 19.0393,  
2.4438

63.6834, 67.7697,  
77.0885

■ 28.5578, 18.0822,  
1.9850

■ 70.2982, 76.3024,  
93.7734

■ 76.5428, 85.1721,  
107.0134

■ 80.1044, 92.2953,  
108.2006

# Harmonies

## Analogous

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



43.2742, 35.6606, 29.1261



39.8227, 35.6606, 21.0039



35.0007, 35.6606, 17.7687

# Triad

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



39.8227, 35.6606, 21.0039



25.3943, 35.6606, 35.7773



37.7490, 35.6606, 69.1474

# Complementary

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



39.8227, 35.6606, 21.0039



34.3001, 39.6906, 66.1746

# 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.



32.8116, 35.6606, 72.1466



39.8227, 35.6606, 21.0039



25.9784, 35.6606, 50.4764

# Square

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



39.8227, 35.6606, 21.0039



26.9059, 35.6606, 24.8698



28.5856, 35.6606, 64.6435



41.9989, 35.6606, 57.2234



# Rectangle

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



39.8227, 35.6606, 21.0039



31.7775, 35.6606, 18.0909



28.5856, 35.6606, 64.6435



36.1032, 35.6606, 71.3345

# Sweetspot

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



39.8236, 35.6623, 21.0046



83.5824, 84.8813, 80.9803



40.4277, 29.0180, 45.4145



17.5086, 17.6591, 16.4233



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.



39.8236, 35.6623, 21.0046



57.7770, 49.1683, 23.3675



48.5327, 53.0805, 23.9076



12.1331, 12.4568, 12.3770



17.6905, 11.3141, 1.2514



1.0621, 0.7785, 0.0943



# Inverse Universe

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



34.3001, 39.6906, 66.1746



48.0106, 56.1910, 102.9233



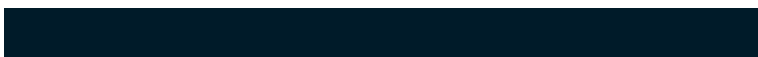
26.6507, 24.3918, 63.6248



11.8053, 12.7009, 15.0730



12.7800, 14.2066, 39.2611



0.7866, 0.9384, 2.2192



# Previews

## White Background



This preview shows how the XYZ color 39.8227, 35.6606, 21.0039 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 39.8227, 35.6606, 21.0039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

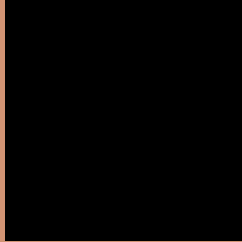
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.8227, 35.6606, 21.0039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8227, 35.6606, 21.0039.



This preview shows how white text looks on a background with the XYZ color 39.8227, 35.6606,



# 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

39.8227, 35.6606, 21.0039

### Protanopia

33.4296, 35.7545, 23.2285

### Deuteranopia

36.4968, 35.8641, 20.9185



## Tritanopia

42.5741, 35.6430, 34.7729

# Trichromacy



## Original Color

39.8227, 35.6606, 21.0039

## Protanomaly

35.4679, 35.5479, 22.4448

## Deuteranomaly

37.5542, 35.6771, 20.8266

## Tritanomaly

41.4974, 35.6595, 29.1219

# Monochromacy



## Original Color

39.8227, 35.6606, 21.0039

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

35.7582, 35.7420, 31.8023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8227, 35.6606, 21.0039 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(209, 147, 115)` looks like.

```
.text, #text, p{  
    color:rgb(209, 147, 115)  
}
```

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(209, 147, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 147, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8227, 35.6606, 21.0039 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(209, 147, 115) }
```



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

```
.border{ border-color:rgb(209, 147, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 147, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 147, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 147, 115);  
box-shadow:4px 4px 4px 4px rgb(209, 147,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8227, 35.6606, 21.0039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 147, 115) }
```

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

```
.background{ background-color: rgb(209,  
147, 115) }
```

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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