

Converting Colors

XYZ(39.4874, 21.2023, 53.7336)

Have a look what the booklet for
XYZ(39.4874, 21.2023, 53.7336)
contains.

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Color

**XYZ(39.4884, 21.1774,
53.6361)**

Conversions

Conversions Part 1

Format	Color
Hex	D836C3
RGB	216, 54, 195
RGB Percent	85%, 21%, 76%
CMY	0.1529, 0.7882, 0.2353
CMYK	0.00, 0.75, 0.10, 0.15
HSL	308°, 67%, 53%
HSV	308°, 75%, 85%
XYZ	39.4884, 21.1774, 53.6361
YIQ	118.5120, 51.2910, 78.1950

Conversions

Conversions Part 2

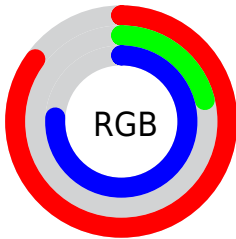
Format	Color
R _Y B	216, 54, 195
Decimal	14169795
CIE Lab	53.14, 75.06, -38.74
CIE LCh	53, 84.468, 332.700
Yxy	21.1774, 0.3455, 0.1853
Android (android.graphics.Color)	4292359875 (0xFFD836C3)
YUV	118.5120, 37.7086, 85.4970
Hunter-Lab	46.0189, 72.6361, -36.8906

Details

The XYZ color **39.4884, 21.1774, 53.6361** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **27.3483, 50.4049, 14.9461**, and the grayscale version is **17.2559, 18.1546, 19.7703**.

A 20% lighter version of the original color is **65.1720, 41.0109, 96.5764**, and **18.7123, 9.0912, 25.9678** is the 20% darker color. If you saturate the color by 10%, you get **38.3834, 19.4689, 51.7204**, and if you desaturate by 10%, it is **41.0469, 23.7823, 55.7326**.

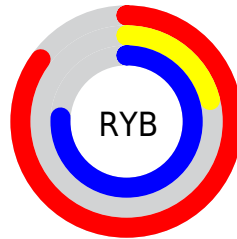
Distribution



Red (85%)

Green (21%)

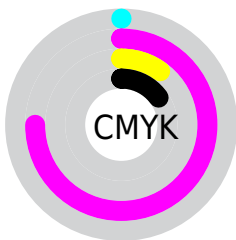
Blue (76%)



Red (85%)

Yellow (21%)

Blue (76%)

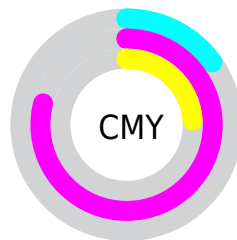


Cyan (0%)

Magenta (75%)

Yellow (10%)

Black (15%)



Cyan (15%)


Magenta (79%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4884, 21.1774, 53.6361 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 39.4884, 21.1774, 53.6361 by changing the saturation by 10% instead.


 39.4884, 21.1774,
53.6361

 39.4884, 21.1774,
53.6361


335.1340,
258.2198, 417.8561

 27.3223, 13.2537,
37.9196


 73.6731, 45.3826,
96.9907


 17.9533, 7.6035,
25.6190


 96.4225, 62.4329,
125.4660


 11.0159, 3.8423,
16.3156


 123.4303, 83.2942,
159.0312

 6.1449, 1.5857,
9.5910

 155.0620,
108.3510, 198.1050

 2.9749, 0.3480,
5.0266

 191.6829,
137.9875, 243.1058

 1.1405, 0.0000,
2.2039

233.6582,

 0.0586, 0.0000,

172.5882, 294.4522

0.6766

281.3535,
212.5375, 352.5628

■ 0.0000, 0.0000,
0.0000

■ 39.4884, 21.1774,
53.6361

■ 39.4884, 21.1774,
53.6361

■ 38.3834, 19.4689,
51.7204

■ 41.0469, 23.7823,
55.7326

■ 37.6655, 18.5256,
49.9626

■ 43.1090, 27.3855,
58.0263

■ 37.3961, 18.2299,
49.1239

■ 45.7208, 32.0784,
60.5328

■ 48.9223, 37.9412,
63.2657

■ 52.7501, 45.0467,
66.2373

■ 57.2374, 53.4617,
69.4588

■ 62.4154, 63.2481,
72.9407

■ 68.3132, 74.4641,
76.6929

■ 74.9580, 87.1644,
80.7246

Harmonies

Analogous

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



30.8623, 21.1774, 93.7858



39.4884, 21.1774, 53.6361



42.5204, 21.1774, 20.8259

Triad

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



39.4884, 21.1774, 53.6361



19.3330, 21.1774, 0.5070



8.8883, 21.1774, 60.9674

Complementary

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



39.4884, 21.1774, 53.6361



27.3483, 50.4049, 14.9461

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.



7.4161, 21.1774, 25.4454



39.4884, 21.1774, 53.6361



12.2260, 21.1774, 1.5176

Square

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



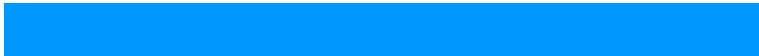
39.4884, 21.1774, 53.6361



29.0426, 21.1774, 1.1715



8.4290, 21.1774, 7.0923



13.2551, 21.1774, 99.7927

Rectangle

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



39.4884, 21.1774, 53.6361



40.4052, 21.1774, 8.8442



8.4290, 21.1774, 7.0923



8.1082, 21.1774, 47.6169

Sweetspot

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



39.4892, 21.1784, 53.6365



78.5414, 68.8212, 97.7294



16.4551, 9.0100, 65.8383



16.4488, 14.0534, 20.6510



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.



39.4892, 21.1784, 53.6365



55.2228, 27.4266, 73.7947



32.7974, 18.5017, 18.3980



12.8805, 12.6037, 15.3110



22.1629, 10.8015, 29.2255



1.3565, 0.6594, 1.8668

Inverse Universe

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



39.4892, 21.1784, 53.6365



55.2228, 27.4266, 73.7947



31.9027, 52.2267, 38.9293



12.8805, 12.6037, 15.3110



22.1629, 10.8015, 29.2255



1.3565, 0.6594, 1.8668

Previews

White Background



This preview shows how the XYZ color 39.4884, 21.1774, 53.6361 looks on a white background.

Color Contrast Check

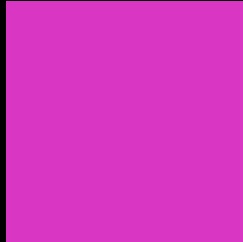
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4884, 21.1774, 53.6361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

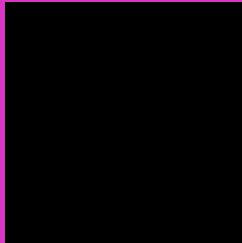
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.4884, 21.1774, 53.6361

Background



This preview shows how black text looks on a background with the XYZ color 39.4884, 21.1774, 53.6361.



This preview shows how white text looks on a background with the XYZ color 39.4884, 21.1774,

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

39.4884, 21.1774, 53.6361

Protanopia

25.9323, 21.7980, 97.4484

Deuteranopia

21.9267, 21.3675, 48.8676



Tritanopia

31.0915, 21.0928, 13.2591

Trichromacy



Original Color

39.4884, 21.1774, 53.6361



Protanomaly

24.6692, 17.5021, 79.1688



Deuteranomaly

25.4195, 18.8082, 50.4347



Tritanomaly

33.2595, 20.5092, 23.6784

Monochromacy



Original Color

39.4884, 21.1774, 53.6361



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

22.6851, 17.1610, 29.7205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4884, 21.1774, 53.6361 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(216, 54, 195)` looks like.

```
.text, #text, p{  
    color:rgb(216, 54, 195)  
}
```

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(216, 54, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 54, 195) }
```

Border

The CSS property to change the border of an element to XYZ 39.4884, 21.1774, 53.6361 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(216, 54, 195) }
```


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

```
.border{ border-color:rgb(216, 54, 195) }
```

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

Here you see how a box with a 4 pixel rgb(216, 54, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 54, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 54, 195);  
box-shadow:4px 4px 4px 4px rgb(216, 54,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4884, 21.1774, 53.6361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 54, 195) }
```

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

```
.background{ background-color: rgb(216, 54,  
195) }
```

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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