

Converting Colors

XYZ(39.4664, 20.3368, 63.3754)

Have a look what the booklet for
XYZ(39.4664, 20.3368, 63.3754)
contains.

XYZ(39.5225, 20.3534, 63.4735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5225, 20.3534,
63.4735)**

Conversions

Conversions Part 1

Format	Color
Hex	D32CD3
RGB	211, 44, 211
RGB Percent	83%, 17%, 83%
CMY	0.1725, 0.8274, 0.1725
CMYK	0.00, 0.79, 0.00, 0.17
HSL	300°, 65%, 50%
HSV	300°, 79%, 83%
XYZ	39.5225, 20.3534, 63.4735
YIQ	112.9710, 45.9250, 87.3410

Conversions

Conversions Part 2

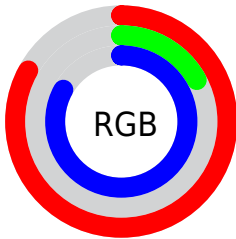
Format	Color
R _Y B	211, 44, 211
Decimal	13839571
CIE Lab	52.23, 79.08, -49.43
CIE LCh	52, 93.259, 327.994
Yxy	20.3534, 0.3204, 0.1650
Android (android.graphics.Color)	4292029651 (0xFFD32CD3)
YUV	112.9710, 48.3283, 85.9714
Hunter-Lab	45.1147, 77.4231, -51.8368

Details

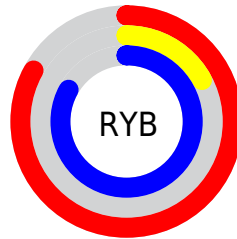
The XYZ color **39.5225, 20.3534, 63.4735** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **24.7885, 47.3068, 10.2086**, and the grayscale version is **15.5409, 16.3503, 17.8054**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **18.9496, 9.0757, 32.2055** is the 20% darker color. If you saturate the color by 10%, you get **38.9269, 19.1614, 63.2750**, and if you desaturate by 10%, it is **40.5189, 22.3455, 63.8058**.

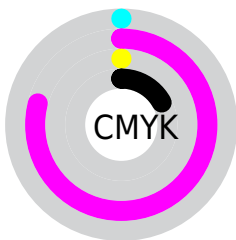
Distribution



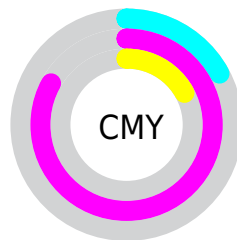
- Red (83%)
- Green (17%)
- Blue (83%)



- Red (83%)
- Yellow (17%)
- Blue (83%)



- Cyan (0%)
- Magenta (79%)
- Yellow (0%)
- Black (17%)




- Cyan (17%)
- Magenta (83%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5225, 20.3534, 63.4735 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 39.5225, 20.3534, 63.4735 by changing the saturation by 10% instead.

 39.5225, 20.3534,
63.4735

 39.5225, 20.3534,
63.4735


335.2759,
253.8219, 455.4410


 27.3490, 12.6522,
45.7809


 73.7248, 44.0089,
111.4445


 17.9734, 7.1895,
31.7256


 96.4843, 60.7320,
142.5600


 11.0305, 3.5809,
20.8889


 123.5032, 81.2311,
178.9869

 6.1548, 1.4420,
12.8523

 155.1469,
105.8908, 221.1437

 2.9810, 0.2474,
7.1974

 191.7806,
135.0953, 269.4490

 1.1437, 0.0000,
3.5056

233.7698,

 0.0612, 0.0000,

169.2290, 324.3213

1.3582

281.4798,
208.6764, 386.1791

■ 0.0000, 0.0000,
0.1088

■ 0.0000, 0.0000,
0.0000

■ 39.5225, 20.3534,
63.4735

■ 39.5225, 20.3534,
63.4735

■ 38.9269, 19.1614,
63.2750

■ 40.5189, 22.3455,
63.8058

■ 38.6419, 18.5915,
63.1799

■ 41.9669, 25.2414,
64.2886

■ 38.6222, 18.5522,
63.1734

■ 43.9124, 29.1325,
64.9372

■ 46.3951, 34.0979,
65.7648

■ 49.4507, 40.2091,
66.7834

■ 53.1118, 47.5312,
68.0039

■ 57.4086, 56.1247,
69.4362

■ 62.3691, 66.0457,
71.0898

■ 68.0199, 77.3473,
72.9735

Harmonies

Analogous

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



29.3324, 20.3534, 108.8718



39.5225, 20.3534, 63.4735



44.1800, 20.3534, 24.0576

Triad

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



39.5225, 20.3534, 63.4735



19.9965, 20.3534, 0.0000



7.2210, 20.3534, 57.2456

Complementary

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



39.5225, 20.3534, 63.4735



24.7885, 47.3068, 10.2086

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.



6.1666, 20.3534, 20.3675



39.5225, 20.3534, 63.4735



11.9294, 20.3534, 0.5392

Square

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



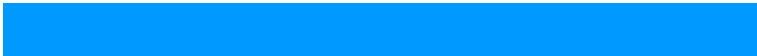
39.5225, 20.3534, 63.4735



30.8296, 20.3534, 0.7674



7.5601, 20.3534, 4.3208



11.1393, 20.3534, 103.6277

Rectangle

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



39.5225, 20.3534, 63.4735



42.6564, 20.3534, 9.5419



7.5601, 20.3534, 4.3208



6.5907, 20.3534, 42.7550

Sweetspot

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



39.5233, 20.3543, 63.4739



78.5372, 66.9746, 103.3955



13.6982, 7.0410, 62.2660



16.3911, 13.4971, 21.9912



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.



39.5233, 20.3543, 63.4739



59.4305, 28.7614, 97.0257



31.6292, 17.1967, 21.9041



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1246



1.3032, 0.6260, 2.1317

Inverse Universe

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



39.5233, 20.3543, 63.4739



59.4305, 28.7614, 97.0257



28.1975, 48.6704, 28.1600



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1246



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 39.5225, 20.3534, 63.4735 looks on a white background.

Color Contrast Check

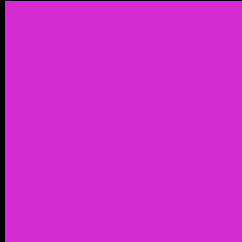
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.5225, 20.3534, 63.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

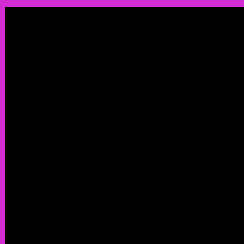
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.5225, 20.3534, 63.4735

Background



This preview shows how black text looks on a background with the XYZ color 39.5225, 20.3534, 63.4735.



This preview shows how white text looks on a background with the XYZ color 39.5225, 20.3534,

63.4735.

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

39.5225, 20.3534, 63.4735

Protanopia

25.1011, 21.0049, 97.3391

Deuteranopia

21.2097, 20.6298, 56.8969



Tritanopia

29.1025, 20.1812, 13.6707

Trichromacy



Original Color

39.5225, 20.3534, 63.4735



Protanomaly

23.4248, 16.0869, 83.5318



Deuteranomaly

24.1683, 17.4234, 58.5892



Tritanomaly

31.5986, 19.2966, 26.1039

Monochromacy



Original Color

39.5225, 20.3534, 63.4735



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

21.3090, 15.5389, 30.3100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5225, 20.3534, 63.4735 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(211, 44, 211)` looks like.

```
.text, #text, p{  
    color:rgb(211, 44, 211)  
}
```

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(211, 44, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 44, 211) }
```

Border

The CSS property to change the border of an element to XYZ 39.5225, 20.3534, 63.4735 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(211, 44, 211) }
```


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

```
.border{ border-color:rgb(211, 44, 211) }
```

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

Here you see how a box with a 4 pixel rgb(211, 44, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 44, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 44, 211);  
box-shadow:4px 4px 4px 4px rgb(211, 44,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5225, 20.3534, 63.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 44, 211) }
```

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

```
.background{ background-color: rgb(211, 44,  
211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor