

Converting Colors

XYZ(41.3999, 19.9451, 65.0688)

Have a look what the booklet for
XYZ(41.3999, 19.9451, 65.0688)
contains.

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Color

**XYZ(41.3510, 19.9151,
65.2829)**

Conversions

Conversions Part 1

Format	Color
Hex	DB00D6
RGB	219, 0, 214
RGB Percent	86%, 0%, 84%
CMY	0.1412, 0.9999, 0.1608
CMYK	0.00, 1.00, 0.02, 0.14
HSL	301°, 100%, 43%
HSV	301°, 100%, 86%
XYZ	41.3510, 19.9151, 65.2829
YIQ	89.8770, 61.8300, 112.9820

Conversions

Conversions Part 2

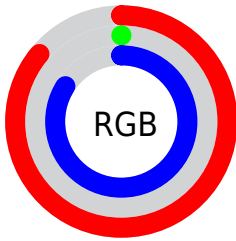
Format	Color
R_{YB}	219, 0, 214
Decimal	14352598
CIE Lab	51.74, 86.88, -51.85
CIE LCh	52, 101.175, 329.170
Yxy	19.9151, 0.3268, 0.1574
Android (android.graphics.Color)	4292542678 (0xFFDB00D6)
YUV	89.8770, 61.1926, 113.2409
Hunter-Lab	44.6263, 87.3030, -55.4956

Details

The XYZ color **41.3510, 19.9151, 65.2829** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **25.3598, 50.6749, 8.5892**, and the grayscale version is **9.5530, 10.0505, 10.9449**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.4696, 9.8396, 33.1681** is the 20% darker color. If you saturate the color by 10%, you get **41.3514, 19.9153, 65.2827**, and if you desaturate by 10%, it is **41.7011, 20.5122, 65.7154**.

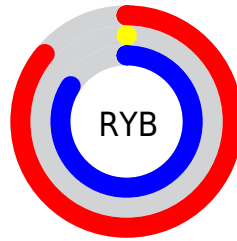
Distribution



Red (86%)

Green (0%)

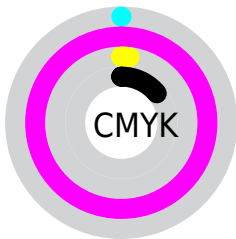
Blue (84%)



Red (86%)

Yellow (0%)

Blue (84%)

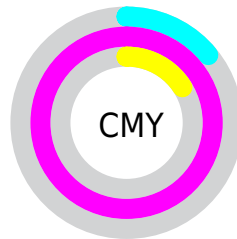


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3510, 19.9151, 65.2829 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 41.3510, 19.9151, 65.2829 by changing the saturation by 10% instead.

 41.3510, 19.9151,
65.2829


 41.3510, 19.9151,
65.2829

342.8231,
251.4551, 462.1419

 28.7823, 12.3333,
47.2377


 76.4878, 43.2748,
114.0737


 19.0597, 6.9711,
32.8679


 99.7866, 59.8215,
145.6563


 11.8177, 3.4440,
21.7550


 127.3929, 80.1254,
182.5885

 6.6910, 1.3677,
13.4804

 159.6719,
104.5707, 225.2888

 3.3142, 0.1927,
7.6256

 196.9891,
133.5420, 274.1758

 1.3220, 0.0000,
3.7720

 239.7098,

 0.1996, 0.0000,

167.4235, 329.6679

1.5011

288.1993,
206.5998, 392.1838

■ 0.0000, 0.0000,
0.2188

■ 0.0000, 0.0000,
0.0000

■ 41.3510, 19.9151,
65.2829

■ 41.3510, 19.9151,
65.2829

■ 41.3514, 19.9153,
65.2827

■ 41.7011, 20.5122,
65.7154

■ 42.3741, 21.7556,
66.2563

■ 43.4767, 23.8577,
66.9415

■ 45.0683, 26.9376,
67.7906

■ 47.1991, 31.0956,
68.8204

■ 49.9130, 36.4195,
70.0455

■ 53.2495, 42.9881,
71.4792

■ 57.2445, 50.8734,
73.1333

■ 61.9312, 60.1420,
75.0189

Harmonies

Analogous

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



30.2302, 19.9151, 117.4934



41.3510, 19.9151, 65.2829



46.2073, 19.9151, 22.5104

Triad

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



41.3510, 19.9151, 65.2829



19.2151, 19.9151, 0.0000



6.4216, 19.9151, 62.3802

Complementary

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



41.3510, 19.9151, 65.2829



25.3598, 50.6749, 8.5892

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.



5.2835, 19.9151, 20.8783



41.3510, 19.9151, 65.2829



10.8667, 19.9151, 0.0605

Square

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



41.3510, 19.9151, 65.2829



30.9095, 19.9151, 0.1629



6.5612, 19.9151, 3.7281



10.5294, 19.9151, 114.9940

Rectangle

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



41.3510, 19.9151, 65.2829



44.2608, 19.9151, 7.9440



6.5612, 19.9151, 3.7281



5.7624, 19.9151, 45.9522

Sweetspot

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



41.3518, 19.9160, 65.2833



75.0300, 60.4081, 100.8453



12.8328, 5.1390, 67.3343



15.6094, 12.0430, 21.3937



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.



41.3518, 19.9160, 65.2833



58.3664, 28.1106, 92.1163



31.8088, 16.0988, 15.0305



13.6009, 13.2695, 16.4254



24.5250, 11.8110, 38.7401



1.5930, 0.7668, 2.5317

Inverse Universe

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



41.3518, 19.9160, 65.2833



58.3664, 28.1106, 92.1163



28.3223, 51.8599, 24.1892



13.6009, 13.2695, 16.4254



24.5250, 11.8110, 38.7401



1.5930, 0.7668, 2.5317

Previews

White Background



This preview shows how the XYZ color 41.3510, 19.9151, 65.2829 looks on a white background.

Color Contrast Check

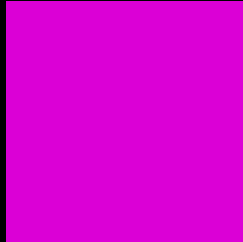
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3510, 19.9151, 65.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

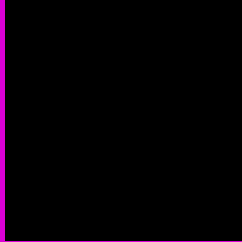
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3510, 19.9151, 65.2829

Background



This preview shows how black text looks on a background with the XYZ color 41.3510, 19.9151, 65.2829.



This preview shows how white text looks on a background with the XYZ color 41.3510, 19.9151,

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

41.3510, 19.9151, 65.2829

Protanopia

24.9625, 20.9335, 97.3326

Deuteranopia

21.1845, 20.5898, 58.1160



Tritanopia

30.4271, 20.1837, 11.7434

Trichromacy



Original Color

41.3510, 19.9151, 65.2829



Protanomaly

21.9493, 13.4380, 83.8750



Deuteranomaly

23.3693, 15.0188, 60.0597



Tritanomaly

32.4401, 18.1163, 24.3413

Monochromacy



Original Color

41.3510, 19.9151, 65.2829



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1528, 9.9939, 23.9993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3510, 19.9151, 65.2829 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, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 214)  
}
```

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, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.3510, 19.9151, 65.2829 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, 0, 214) }
```


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

```
.border{ border-color:rgb(219, 0, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3510, 19.9151, 65.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 214) }
```

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

```
.background{ background-color: rgb(219, 0,  
214) }
```

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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