

Converting Colors

XYZ(40.6797, 19.5689, 65.2572)

Have a look what the booklet for
XYZ(40.6797, 19.5689, 65.2572)
contains.

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Color

**XYZ(40.7529, 19.6068,
65.2549)**

Conversions

Conversions Part 1

Format	Color
Hex	D900D6
RGB	217, 0, 214
RGB Percent	85%, 0%, 84%
CMY	0.1490, 0.9999, 0.1608
CMYK	0.00, 1.00, 0.01, 0.15
HSL	301°, 100%, 43%
HSV	301°, 100%, 85%
XYZ	40.7529, 19.6068, 65.2549
YIQ	89.2790, 60.6380, 112.5580

Conversions

Conversions Part 2

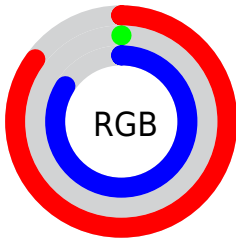
Format	Color
R_{YB}	217, 0, 214
Decimal	14221526
CIE _{Lab}	51.39, 86.56, -52.43
CIE _{LCh}	51, 101.200, 328.794
Yxy	19.6068, 0.3244, 0.1561
Android (android.graphics.Color)	4292411606 (0xFFD900D6)
YUV	89.2790, 61.4875, 112.0113
Hunter-Lab	44.2796, 86.7940, -56.3801

Details

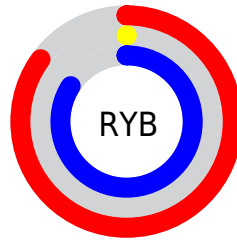
The XYZ color **40.7529, 19.6068, 65.2549** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.8303, 49.6333, 8.3586**, and the grayscale version is **9.4204, 9.9110, 10.7931**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.0762, 9.6367, 33.1497** is the 20% darker color. If you saturate the color by 10%, you get **40.7533, 19.6070, 65.2548**, and if you desaturate by 10%, it is **41.0736, 20.1860, 65.5512**.

Distribution



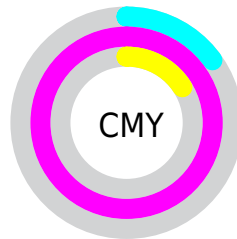
- Red (85%)
- Green (0%)
- Blue (84%)



- Red (85%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (15%)




- Cyan (15%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7529, 19.6068, 65.2549 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 40.7529, 19.6068, 65.2549 by changing the saturation by 10% instead.


 40.7529, 19.6068,
65.2549


 40.7529, 19.6068,
65.2549


340.3671,
249.7785, 462.0387


 28.3129, 12.1096,
47.2151


 75.5857, 42.7570,
114.0330


 18.7033, 6.8183,
32.8502


 98.7092, 59.1787,
145.6085


 11.5588, 3.3487,
21.7415


 126.1246, 79.3440,
182.5329

 6.5141, 1.3164,
13.4706

 158.1972,
103.6373, 225.2249

 3.2037, 0.1538,
7.6189

 195.2924,
132.4430, 274.1029

 1.2624, 0.0000,
3.7678

 237.7756,

 0.1548, 0.0000,

166.1455, 329.5855

1.4988

286.0120,
205.1292, 392.0912

■ 0.0000, 0.0000,
0.2171

■ 0.0000, 0.0000,
0.0000

■ 40.7529, 19.6068,
65.2549

■ 40.7529, 19.6068,
65.2549

■ 40.7533, 19.6070,
65.2548

■ 41.0736, 20.1860,
65.5512

■ 41.7099, 21.3972,
65.9530

■ 42.7667, 23.4492,
66.4953

■ 44.3021, 26.4582,
67.1974

■ 46.3651, 30.5223,
68.0758

■ 48.9986, 35.7273,
69.1447

■ 52.2411, 42.1504,
70.4169

■ 56.1280, 49.8619,
71.9043

■ 60.6916, 58.9268,
73.6176

Harmonies

Analogous

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



29.6800, 19.6068, 117.0429



40.7529, 19.6068, 65.2549



45.6799, 19.6068, 22.5438

Triad

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



40.7529, 19.6068, 65.2549



19.0485, 19.6068, 0.0000



6.2474, 19.6068, 61.0661

Complementary

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



40.7529, 19.6068, 65.2549



24.8303, 49.6333, 8.3586

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.



5.1576, 19.6068, 20.1961



40.7529, 19.6068, 65.2549



10.7401, 19.6068, 0.0000

Square

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



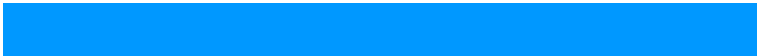
40.7529, 19.6068, 65.2549



30.6586, 19.6068, 0.1430



6.4473, 19.6068, 3.5273



10.2560, 19.6068, 113.4314

Rectangle

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



40.7529, 19.6068, 65.2549



43.8253, 19.6068, 7.9480



6.4473, 19.6068, 3.5273



5.6094, 19.6068, 44.8351

Sweetspot

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



40.7537, 19.6077, 65.2553



75.1401, 60.4522, 101.4253



12.5254, 5.0108, 65.9536



15.6363, 12.0537, 21.5351



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.



40.7537, 19.6077, 65.2553



58.7273, 28.2549, 94.0166



31.3505, 15.8464, 15.7385



13.6062, 13.2716, 16.4536



24.6730, 11.8702, 39.5196



1.6010, 0.7700, 2.5737

Inverse Universe

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



40.7537, 19.6077, 65.2553



58.7273, 28.2549, 94.0166



27.5481, 50.7204, 22.6703



13.6062, 13.2716, 16.4536



24.6730, 11.8702, 39.5196



1.6010, 0.7700, 2.5737

Previews

White Background



This preview shows how the XYZ color 40.7529, 19.6068, 65.2549 looks on a white background.

Color Contrast Check

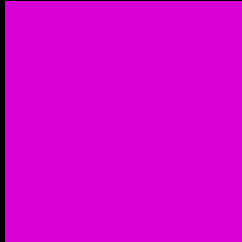
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7529, 19.6068, 65.2549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

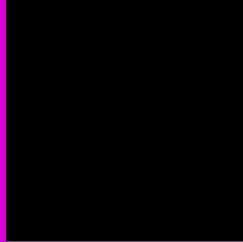
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.7529, 19.6068, 65.2549

Background



This preview shows how black text looks on a background with the XYZ color 40.7529, 19.6068, 65.2549.



This preview shows how white text looks on a background with the XYZ color 40.7529, 19.6068,

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

40.7529, 19.6068, 65.2549

Protanopia

24.4461, 20.5248, 95.6017

Deuteranopia

20.8108, 20.2101, 58.0624



Tritanopia

29.9176, 19.9162, 11.9402

Trichromacy



Original Color

40.7529, 19.6068, 65.2549



Protanomaly

21.3889, 13.0631, 83.0555



Deuteranomaly

22.8386, 14.6374, 60.0141



Tritanomaly

31.9408, 17.8508, 24.6838

Monochromacy



Original Color

40.7529, 19.6068, 65.2549



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.9195, 9.8817, 23.6226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7529, 19.6068, 65.2549 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(217, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.7529, 19.6068, 65.2549 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(217, 0, 214) }
```


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

```
.border{ border-color:rgb(217, 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(217, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7529, 19.6068, 65.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 214) }
```

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

```
.background{ background-color: rgb(217, 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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