

Converting Colors

XYZ(40.0879, 20.2936, 64.6817)

Have a look what the booklet for
XYZ(40.0879, 20.2936, 64.6817)
contains.

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Color

**XYZ(40.1439, 20.3365,
64.7603)**

Conversions

Conversions Part 1

Format	Color
Hex	D526D5
RGB	213, 38, 213
RGB Percent	84%, 15%, 84%
CMY	0.1647, 0.8509, 0.1647
CMYK	0.00, 0.82, 0.00, 0.16
HSL	300°, 70%, 49%
HSV	300°, 82%, 84%
XYZ	40.1439, 20.3365, 64.7603
YIQ	110.2750, 48.1250, 91.5250

Conversions

Conversions Part 2

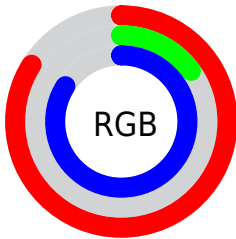
Format	Color
R _Y B	213, 38, 213
Decimal	13969109
CIE Lab	52.22, 81.11, -50.58
CIE LCh	52, 95.590, 328.052
Yxy	20.3365, 0.3205, 0.1624
Android (android.graphics.Color)	4292159189 (0xFFD526D5)
YUV	110.2750, 50.6434, 90.0898
Hunter-Lab	45.0960, 79.9804, -53.5764

Details

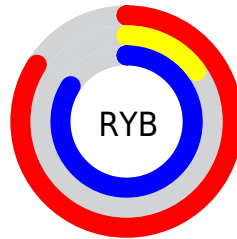
The XYZ color **40.1439, 20.3365, 64.7603** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **24.9444, 48.1414, 9.8124**, and the grayscale version is **14.7514, 15.5196, 16.9009**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **19.4122, 9.3043, 32.6711** is the 20% darker color. If you saturate the color by 10%, you get **39.6472, 19.3425, 64.5948**, and if you desaturate by 10%, it is **41.0313, 22.1106, 65.0563**.

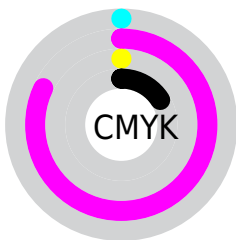
Distribution



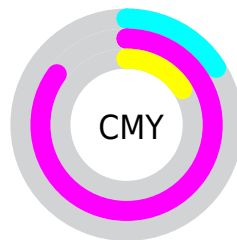
- Red (84%)
- Green (15%)
- Blue (84%)



- Red (84%)
- Yellow (15%)
- Blue (84%)



- Cyan (0%)
- Magenta (82%)
- Yellow (0%)
- Black (16%)




- Cyan (16%)
- Magenta (85%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1439, 20.3365, 64.7603 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 40.1439, 20.3365, 64.7603 by changing the saturation by 10% instead.

 40.1439, 20.3365,
64.7603


 40.1439, 20.3365,
64.7603


337.8537,
253.7310, 460.2127

 27.8355, 12.6399,
46.8166


 74.6655, 43.9806,
113.3151

 18.3415, 7.1810,
32.5374


 97.6095, 60.6969,
144.7634


 11.2966, 3.5756,
21.5041


 124.8292, 81.1886,
181.5503

 6.3355, 1.4391,
13.2982

 156.6903,
105.8400, 224.0943

 3.0927, 0.2453,
7.5010

 193.5579,
135.0356, 272.8140

 1.2030, 0.0000,
3.6942

235.7974,

 0.1087, 0.0000,

169.1596, 328.1280

1.4591

283.7743,
208.5967, 390.4547

■ 0.0000, 0.0000,
0.1872

■ 0.0000, 0.0000,
0.0000

■ 40.1439, 20.3365,
64.7603

■ 40.1439, 20.3365,
64.7603

■ 39.6472, 19.3425,
64.5948

■ 41.0313, 22.1106,
65.0563

■ 39.4512, 18.9504,
64.5294

■ 42.3649, 24.7779,
65.5009

■ 44.1940, 28.4360,
66.1107

■ 46.5606, 33.1692,
66.8996

■ 49.5024, 39.0527,
67.8802

■ 53.0535, 46.1550,
69.0640

■ 57.2456, 54.5391,
70.4614

■ 62.1081, 64.2640,
72.0823

■ 67.6684, 75.3847,
73.9358

Harmonies

Analogous

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



29.6191, 20.3365, 112.1382



40.1439, 20.3365, 64.7603



44.9548, 20.3365, 24.0298

Triad

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



40.1439, 20.3365, 64.7603



19.9773, 20.3365, 0.0000



7.0089, 20.3365, 58.4734

Complementary

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



40.1439, 20.3365, 64.7603



24.9444, 48.1414, 9.8124

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.



5.9470, 20.3365, 20.3577



40.1439, 20.3365, 64.7603



11.7501, 20.3365, 0.3961

Square

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



40.1439, 20.3365, 64.7603



31.1192, 20.3365, 0.6234



7.3399, 20.3365, 4.0992



10.9714, 20.3365, 106.8117

Rectangle

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



40.1439, 20.3365, 64.7603



43.3642, 20.3365, 9.2726



7.3399, 20.3365, 4.0992



6.3748, 20.3365, 43.4404

Sweetspot

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



40.1447, 20.3374, 64.7607



77.9753, 65.8507, 103.2082



13.5037, 6.6035, 63.5145



16.2837, 13.2823, 21.9554



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.



40.1447, 20.3374, 64.7607



59.3175, 28.5353, 96.9882



31.8686, 17.0270, 21.1791



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4170



1.4535, 0.6982, 2.3774

Inverse Universe

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



40.1447, 20.3374, 64.7607



59.3175, 28.5353, 96.9882



28.3285, 49.4951, 27.6326



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4170



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 40.1439, 20.3365, 64.7603 looks on a white background.

Color Contrast Check

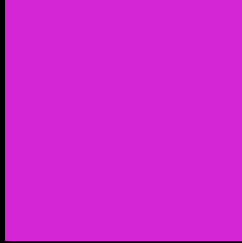
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1439, 20.3365, 64.7603 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 40.1439, 20.3365, 64.7603

Background



This preview shows how black text looks on a background with the XYZ color 40.1439, 20.3365, 64.7603.



This preview shows how white text looks on a background with the XYZ color 40.1439, 20.3365,

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

40.1439, 20.3365, 64.7603

Protanopia

25.0844, 20.9963, 97.3383

Deuteranopia

21.2696, 20.6336, 58.1200



Tritanopia

29.4574, 20.2503, 13.1826

Trichromacy



Original Color

40.1439, 20.3365, 64.7603



Protanomaly

23.3997, 15.7997, 84.2544



Deuteranomaly

23.9871, 16.9036, 59.7561



Tritanomaly

31.9544, 19.1944, 26.0655

Monochromacy



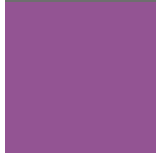
Original Color

40.1439, 20.3365, 64.7603



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

20.4694, 14.6503, 29.3527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1439, 20.3365, 64.7603 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(213, 38, 213)` looks like.

```
.text, #text, p{  
    color:rgb(213, 38, 213)  
}
```

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(213, 38, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 38, 213) }
```

Border

The CSS property to change the border of an element to XYZ 40.1439, 20.3365, 64.7603 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(213, 38, 213) }
```


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

```
.border{ border-color:rgb(213, 38, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 38, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 38, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 38, 213);  
box-shadow:4px 4px 4px 4px rgb(213, 38,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1439, 20.3365, 64.7603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 38, 213) }
```

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

```
.background{ background-color: rgb(213, 38,  
213) }
```

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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