

Converting Colors

XYZ(40.6625, 19.4415, 70.6113)

Have a look what the booklet for
XYZ(40.6625, 19.4415, 70.6113)
contains.

XYZ(40.6254, 19.4201, 70.7145)	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(40.6254, 19.4201,
70.7145)**

Conversions

Conversions Part 1

Format	Color
Hex	D500DE
RGB	213, 0, 222
RGB Percent	84%, 0%, 87%
CMY	0.1647, 0.9999, 0.1294
CMYK	0.04, 1.00, 0.00, 0.13
HSL	298°, 100%, 44%
HSV	298°, 100%, 87%
XYZ	40.6254, 19.4201, 70.7145
YIQ	88.9950, 55.6860, 114.1980

Conversions

Conversions Part 2

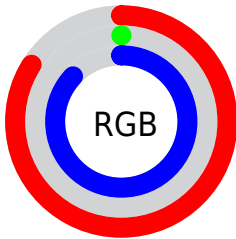
Format	Color
R_{YB}	213, 0, 222
Decimal	13959390
CIE _{Lab}	51.18, 87.09, -57.38
CIE _{LCh}	51, 104.293, 326.620
Yxy	19.4201, 0.3107, 0.1485
Android (android.graphics.Color)	4292149470 (0xFFD500DE)
YUV	88.9950, 65.5715, 108.7524
Hunter-Lab	44.0682, 87.4352, -64.2925

Details

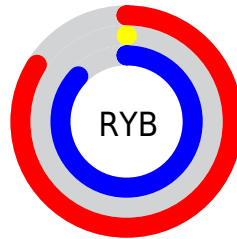
The XYZ color **40.6254, 19.4201, 70.7145** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.2346, 52.3011, 8.7133**, and the grayscale version is **9.3497, 9.8366, 10.7121**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.0198, 9.5255, 36.8598** is the 20% darker color. If you saturate the color by 10%, you get **40.6255, 19.4201, 70.7148**, and if you desaturate by 10%, it is **41.1790, 20.1380, 70.8241**.

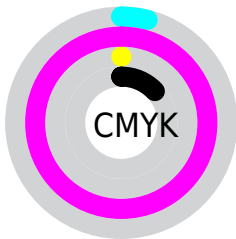
Distribution



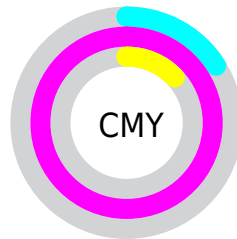
- Red (84%)
- Green (0%)
- Blue (87%)



- Red (84%)
- Yellow (0%)
- Blue (87%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)





- Cyan (16%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6254, 19.4201, 70.7145 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 40.6254, 19.4201, 70.7145 by changing the saturation by 10% instead.

 40.6254, 19.4201,
70.7145


 40.6254, 19.4201,
70.7145

339.8419,
248.7582, 481.9115


 28.2129, 11.9742,
51.6288


 75.3932, 42.4428,
121.9178


 18.6275, 6.7261,
36.3291


 98.4792, 58.7884,
154.8725


 11.5038, 3.2914,
24.3968


 125.8538, 78.8693,
193.2873

 6.4766, 1.2857,
15.4133

 157.8822,
103.0700, 237.5807

 3.1804, 0.1301,
8.9601

 194.9299,
131.7749, 288.1713

 1.2498, 0.0000,
4.6187

 237.3621,

 0.1452, 0.0000,

165.3682, 345.4776

1.9705

285.5444,
204.2346, 409.9182

■ 0.0000, 0.0000,
0.5371

■ 0.0000, 0.0000,
0.0000

■ 40.6254, 19.4201,
70.7145

■ 40.6254, 19.4201,
70.7145

■ 40.6255, 19.4201,
70.7148

■ 41.1790, 20.1380,
70.8241

■ 42.0678, 21.5246,
71.0450

■ 43.4009, 23.7980,
71.4135

■ 45.2402, 27.0813,
71.9503

■ 47.6373, 31.4782,
72.6727

■ 50.6377, 37.0797,
73.5957

■ 54.2823, 43.9672,
74.7330

■ 58.6082, 52.2151,
76.0971

■ 63.6497, 61.8923,
77.6992

Harmonies

Analogous

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



28.9154, 19.4201, 124.3542



40.6254, 19.4201, 70.7145



46.3864, 19.4201, 24.6945

Triad

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



40.6254, 19.4201, 70.7145



19.6592, 19.4201, 0.0000



5.7526, 19.4201, 58.4568

Complementary

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



40.6254, 19.4201, 70.7145



26.2346, 52.3011, 8.7133

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.



4.8486, 19.4201, 17.9534



40.6254, 19.4201, 70.7145



10.8859, 19.4201, 0.0000

Square

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



40.6254, 19.4201, 70.7145



31.7502, 19.4201, 0.0800



6.3101, 19.4201, 2.7163



9.5156, 19.4201, 113.7024

Rectangle

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



40.6254, 19.4201, 70.7145



44.9258, 19.4201, 8.6534



6.3101, 19.4201, 2.7163



5.1836, 19.4201, 42.0535

Sweetspot

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



40.6262, 19.4210, 70.7149



74.1782, 59.9367, 102.2671



13.3064, 5.5165, 69.4710



15.4017, 11.9280, 21.7405



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.



40.6262, 19.4210, 70.7149



55.5884, 26.5718, 96.8068



33.6446, 16.9383, 19.9455



14.2372, 13.9058, 17.3214



24.1544, 11.5474, 42.0041



1.6916, 0.8093, 2.9123

Inverse Universe

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



30.1741, 15.5501, 1.6704



41.2966, 21.2827, 2.2283



28.4180, 53.1614, 20.7989



13.7296, 13.7095, 14.3465



17.9323, 9.2399, 1.0432



1.2510, 0.6437, 0.1147

Previews

White Background



This preview shows how the XYZ color 40.6254, 19.4201, 70.7145 looks on a white background.

Color Contrast Check

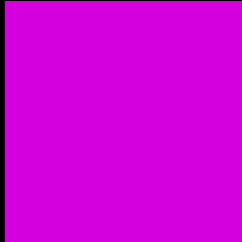
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6254, 19.4201, 70.7145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

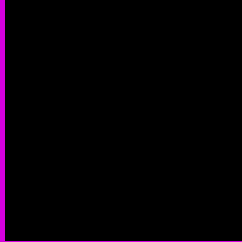
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6254, 19.4201, 70.7145

Background



This preview shows how black text looks on a background with the XYZ color 40.6254, 19.4201, 70.7145.



This preview shows how white text looks on a background with the XYZ color 40.6254, 19.4201,

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

40.6254, 19.4201, 70.7145

Protanopia

24.1675, 20.2219, 94.7249

Deuteranopia

20.7662, 20.0755, 63.1021



Tritanopia

28.6727, 19.6125, 12.6303

Trichromacy



Original Color

40.6254, 19.4201, 70.7145



Protanomaly

21.5222, 13.0975, 84.6128



Deuteranomaly

22.4048, 14.2986, 65.1974



Tritanomaly

30.7284, 17.3223, 26.5349

Monochromacy



Original Color

40.6254, 19.4201, 70.7145



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8100, 9.8007, 24.7254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6254, 19.4201, 70.7145 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, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 222)  
}
```

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, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 40.6254, 19.4201, 70.7145 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, 0, 222) }
```


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

```
.border{ border-color:rgb(213, 0, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6254, 19.4201, 70.7145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 222) }
```

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

```
.background{ background-color: rgb(213, 0,  
222) }
```

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