

Converting Colors

XYZ(40.1207, 19.7019, 96.2960)

Have a look what the booklet for
XYZ(40.1207, 19.7019, 96.2960)
contains.

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Color

**XYZ(40.0440, 19.6847,
96.2967)**

Conversions

Conversions Part 1

Format	Color
Hex	BE28FF
RGB	190, 40, 255
RGB Percent	75%, 16%, 100%
CMY	0.2549, 0.8431, 0.0000
CMYK	0.25, 0.84, 0.00, 0.00
HSL	282°, 100%, 58%
HSV	282°, 84%, 100%
XYZ	40.0440, 19.6847, 96.2967
YIQ	109.3600, 20.3850, 98.6650

Conversions

Conversions Part 2

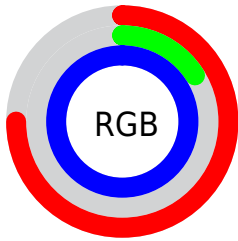
Format	Color
R _Y B	190, 40, 255
Decimal	12462335
CIE Lab	51.48, 83.97, -75.63
CIE LCh	51, 113.014, 317.992
Yxy	19.6847, 0.2567, 0.1262
Android (android.graphics.Color)	4290652415 (0xFFBE28FF)
YUV	109.3600, 71.8005, 70.7213
Hunter-Lab	44.3674, 83.4628, -97.6279

Details

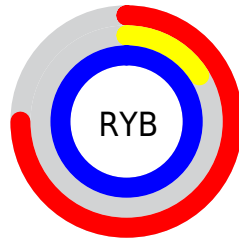
The XYZ color **40.0440, 19.6847, 96.2967** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **41.9688, 74.6765, 14.2098**, and the grayscale version is **14.4375, 15.1893, 16.5412**.

A 20% lighter version of the original color is **63.0914, 38.2446, 98.6644**, and **19.2840, 8.7770, 53.5011** is the 20% darker color. If you saturate the color by 10%, you get **37.5749, 17.5287, 96.0107**, and if you desaturate by 10%, it is **43.1823, 23.0254, 96.7761**.

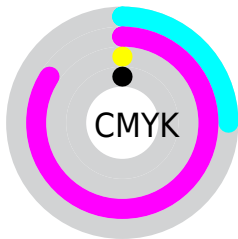
Distribution



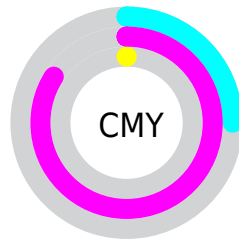
- Red (75%)
- Green (16%)
- Blue (100%)



- Red (75%)
- Yellow (16%)
- Blue (100%)



- Cyan (25%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0440, 19.6847, 96.2967 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 40.0440, 19.6847, 96.2967 by changing the saturation by 10% instead.

 40.0440, 19.6847,
96.2967


 40.0440, 19.6847,
96.2967

337.4402,
250.2031, 569.3980


 27.7572, 12.1661,
72.6119


 74.5144, 42.8879,
158.0658


 18.2822, 6.8569,
53.1688


 97.4288, 59.3413,
196.9871


 11.2537, 3.3728,
37.5489


 124.6164, 79.5417,
241.8243

 6.3063, 1.3293,
25.3336

 156.4425,
103.8735, 292.9960

 3.0746, 0.1637,
16.1045

 193.2727,
132.7212, 350.9207

 1.1934, 0.0000,
9.4430

235.4721,

 0.1011, 0.0000,

166.4691, 416.0169

4.9305

283.4061,
205.5016, 488.7031

■ 0.0000, 0.0000,
2.1485

■ 0.0000, 0.0000,
0.6444

■ 40.0440, 19.6847,
96.2967

■ 40.0440, 19.6847,
96.2967

■ 37.5749, 17.5287,
96.0107

■ 43.1823, 23.0254,
96.7761

■ 36.3893, 16.6743,
95.9083

■ 47.0846, 27.7419,
97.4808

■ 51.8320, 33.9928,
98.4372

■ 57.4935, 41.9140,
99.6677

64.1304, 51.6262,
101.1925

71.7984, 63.2385,
103.0298

80.5488, 76.8515,
105.1962

90.4293, 92.5585,
107.7072

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



26.2870, 19.6847, 152.6257



40.0440, 19.6847, 96.2967



49.1760, 19.6847, 37.2316

Triad

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



40.0440, 19.6847, 96.2967



23.6239, 19.6847, 0.0000



4.6882, 19.6847, 47.0934

Complementary

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



40.0440, 19.6847, 96.2967



41.9688, 74.6765, 14.2098

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.



4.4579, 19.6847, 10.8876



40.0440, 19.6847, 96.2967



12.7494, 19.6847, 0.0000

Square

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



40.0440, 19.6847, 96.2967



37.4297, 19.6847, 0.3343



6.7328, 19.6847, 0.9175



7.5805, 19.6847, 109.4024

Rectangle

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



40.0440, 19.6847, 96.2967



49.6833, 19.6847, 13.8695



6.7328, 19.6847, 0.9175



4.3567, 19.6847, 31.3426

Sweetspot

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



40.0449, 19.6854, 96.2968



71.2370, 62.3770, 102.8931



24.2968, 18.4144, 96.8815



14.6507, 12.4405, 21.8790



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.



40.0449, 19.6854, 96.2968



36.3893, 16.6743, 95.9083



54.3399, 27.7142, 67.1695



18.2267, 18.0086, 22.7653



19.1728, 8.7944, 50.1216



1.9776, 0.9134, 4.8853

Inverse Universe

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



44.5487, 23.7978, 15.6101



42.5828, 21.7971, 9.0008



38.0618, 72.5418, 19.4734



18.2354, 18.0775, 19.8567



22.3079, 11.4124, 5.0058



2.2180, 1.1296, 0.7295

Previews

White Background



This preview shows how the XYZ color 40.0440, 19.6847, 96.2967 looks on a white background.

Color Contrast Check

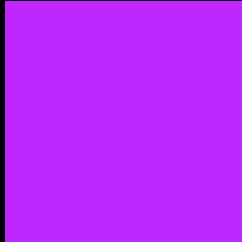
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0440, 19.6847, 96.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

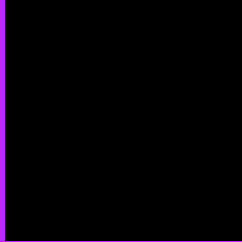
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0440, 19.6847, 96.2967

Background



This preview shows how black text looks on a background with the XYZ color 40.0440, 19.6847, 96.2967.



This preview shows how white text looks on a background with the XYZ color 40.0440, 19.6847,

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

40.0440, 19.6847, 96.2967

Protanopia

23.8521, 20.0958, 93.0642

Deuteranopia

20.1157, 19.9837, 69.1267



Tritanopia

23.9686, 19.5109, 18.1255

Trichromacy



Original Color

40.0440, 19.6847, 96.2967



Protanomaly

23.6811, 15.6058, 93.8596



Deuteranomaly

20.9703, 15.2191, 77.4336



Tritanomaly

27.4132, 17.7154, 37.5719

Monochromacy



Original Color

40.0440, 19.6847, 96.2967



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

20.1731, 14.3526, 35.8895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0440, 19.6847, 96.2967 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(190, 40, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 40, 255)  
}
```

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(190, 40, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 40, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.0440, 19.6847, 96.2967 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(190, 40, 255) }
```


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

```
.border{ border-color:rgb(190, 40, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 40, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 40, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 40, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 40,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0440, 19.6847, 96.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 40, 255) }
```

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

```
.background{ background-color: rgb(190, 40,  
255) }
```

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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