

Converting Colors

XYZ(32.0487, 15.9443, 27.5857)

Have a look what the booklet for
XYZ(32.0487, 15.9443, 27.5857)
contains.

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Color

**XYZ(32.1854, 16.0107,
27.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	D40090
RGB	212, 0, 144
RGB Percent	83%, 0%, 56%
CMY	0.1686, 0.9998, 0.4353
CMYK	0.00, 1.00, 0.32, 0.17
HSL	319°, 100%, 42%
HSV	319°, 100%, 83%
XYZ	32.1854, 16.0107, 27.7796
YIQ	79.8040, 80.1280, 89.7280

Conversions

Conversions Part 2

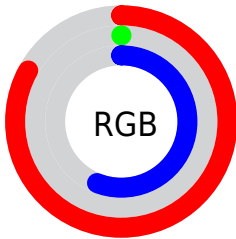
Format	Color
RYB	212, 0, 144
Decimal	13893776
CIELab	46.99, 77.00, -18.25
CIElCh	47, 79.136, 346.669
Yxy	16.0107, 0.4236, 0.2107
Android (android.graphics.Color)	4292083856 (0xFFD40090)
YUV	79.8040, 31.6486, 115.9359
Hunter-Lab	40.0134, 73.5559, -13.1532

Details

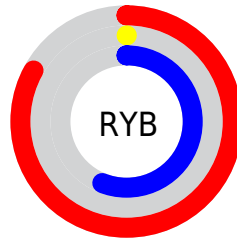
The XYZ color **32.1854, 16.0107, 27.7796** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.5887, 47.5051, 13.3490**, and the grayscale version is **7.5212, 7.9129, 8.6171**.

A 20% lighter version of the original color is **55.1741, 32.8194, 56.8529**, and **14.9247, 7.4657, 11.0103** is the 20% darker color. If you saturate the color by 10%, you get **32.1844, 16.0103, 27.7742**, and if you desaturate by 10%, it is **32.9938, 16.7703, 30.6918**.

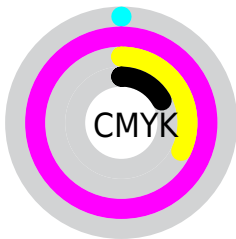
Distribution



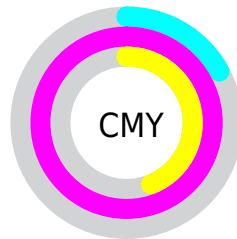
- Red (83%)
- Green (0%)
- Blue (56%)



- Red (83%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1854, 16.0107, 27.7796 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 32.1854, 16.0107, 27.7796 by changing the saturation by 10% instead.


 32.1854, 16.0107,
27.7796


 32.1854, 16.0107,
27.7796


303.6932,
229.4048, 305.2910


 21.6594, 9.5317,
17.9220


 62.4649, 36.6168,
57.1512


 13.7220, 5.0896,
10.7251


 82.9490, 51.5127,
77.5023


 8.0080, 2.2999,
5.7705


 107.4833, 69.9830,
102.1883

 4.1519, 0.7737,
2.6395

 136.4329, 92.4121,
131.6278

 1.7884, 0.0000,
0.9127

 170.1634,
119.1845, 166.2393

 0.5107, 0.0000,
0.0000

 209.0401,

 0.0000, 0.0000,

150.6845, 206.4413

0.0000

253.4282,
187.2965, 252.6523

■ 32.1854, 16.0107,
27.7796

■ 32.1854, 16.0107,
27.7796

■ 32.1844, 16.0103,
27.7742

■ 32.9938, 16.7703,
30.6918

■ 34.1325, 18.1395,
33.8712

■ 35.7021, 20.3186,
37.3539

■ 37.7578, 23.4174,
41.1609

■ 40.3464, 27.5285,
45.3102

■ 43.5088, 32.7332,
49.8179

■ 47.2820, 39.1044,
54.6986

■ 51.6997, 46.7088,
59.9658

■ 56.7929, 55.6080,
65.6322

Harmonies

Analogous

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



27.0942, 16.0107, 58.8408



32.1854, 16.0107, 27.7796



31.8561, 16.0107, 8.6274

Triad

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



32.1854, 16.0107, 27.7796



11.7111, 16.0107, 0.3638



7.7910, 16.0107, 62.4429

Complementary

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



32.1854, 16.0107, 27.7796



24.5887, 47.5051, 13.3490

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.



5.6983, 16.0107, 30.8080



32.1854, 16.0107, 27.7796



7.4456, 16.0107, 2.1786

Square

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



32.1854, 16.0107, 27.7796



18.4969, 16.0107, 0.2804



5.5947, 16.0107, 10.0393



12.3510, 16.0107, 87.0234

Rectangle

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



32.1854, 16.0107, 27.7796



28.5809, 16.0107, 3.1415



5.5947, 16.0107, 10.0393



6.8452, 16.0107, 51.5315

Sweetspot

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



32.1859, 16.0116, 27.7799



71.6073, 59.0390, 82.8217



14.2100, 5.9534, 62.6875



14.7822, 11.7121, 17.0379



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.



32.1859, 16.0116, 27.7799



48.8014, 24.2846, 41.7477



27.5164, 14.1438, 3.1906



12.7756, 12.5618, 14.7587



19.9165, 9.9029, 17.3964



1.2383, 0.6121, 1.2442

Inverse Universe

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



32.1859, 16.0116, 27.7799



48.8014, 24.2846, 41.7477



31.1005, 50.1098, 47.6398



12.7756, 12.5618, 14.7587



19.9165, 9.9029, 17.3964



1.2383, 0.6121, 1.2442

Previews

White Background



This preview shows how the XYZ color 32.1854, 16.0107, 27.7796 looks on a white background.

Color Contrast Check

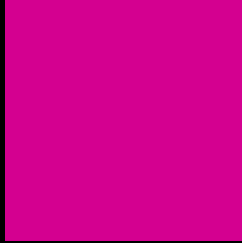
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.1854, 16.0107, 27.7796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

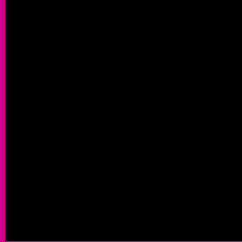
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1854, 16.0107, 27.7796

Background



This preview shows how black text looks on a background with the XYZ color 32.1854, 16.0107, 27.7796.



This preview shows how white text looks on a background with the XYZ color 32.1854, 16.0107,

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

32.1854, 16.0107, 27.7796

Protanopia

19.0312, 16.8014, 60.6325

Deuteranopia

16.9269, 16.6675, 24.8793



Tritanopia

27.7061, 16.3638, 5.8359

Trichromacy



Original Color

32.1854, 16.0107, 27.7796



Protanomaly

18.4831, 11.7923, 46.1017



Deuteranomaly

19.4184, 12.8255, 25.4969



Tritanomaly

28.4888, 15.4098, 11.1457

Monochromacy



Original Color

32.1854, 16.0107, 27.7796



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5341, 7.9361, 13.7032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1854, 16.0107, 27.7796 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(212, 0, 144)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 144)  
}
```

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(212, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 32.1854, 16.0107, 27.7796 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(212, 0, 144) }
```


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

```
.border{ border-color:rgb(212, 0, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1854, 16.0107, 27.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 144) }
```

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

```
.background{ background-color: rgb(212, 0,  
144) }
```

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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