

Converting Colors

XYZ(32.3549, 16.2134, 22.5783)

Have a look what the booklet for
XYZ(32.3549, 16.2134, 22.5783)
contains.

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Color

**XYZ(32.3482, 16.2106,
22.5431)**

Conversions

Conversions Part 1

Format	Color
Hex	D80082
RGB	216, 0, 130
RGB Percent	85%, 0%, 51%
CMY	0.1529, 0.9998, 0.4902
CMYK	0.00, 1.00, 0.40, 0.15
HSL	324°, 100%, 42%
HSV	324°, 100%, 85%
XYZ	32.3482, 16.2106, 22.5431
YIQ	79.4040, 87.0060, 86.2220

Conversions

Conversions Part 2

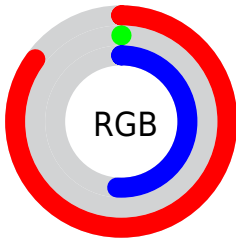
Format	Color
R _Y B	216, 0, 130
Decimal	14155906
CIE Lab	47.25, 76.47, -9.27
CIE LCh	47, 77.024, 353.090
Yxy	16.2106, 0.4550, 0.2280
Android (android.graphics.Color)	4292345986 (0xFFD80082)
YUV	79.4040, 24.9438, 119.7947
Hunter-Lab	40.2624, 72.9539, -5.0131

Details

The XYZ color **32.3482, 16.2106, 22.5431** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **26.2377, 49.7846, 17.0390**, and the grayscale version is **7.4554, 7.8437, 8.5418**.

A 20% lighter version of the original color is **53.6144, 32.3332, 48.2149**, and **15.0028, 7.5626, 8.4536** is the 20% darker color. If you saturate the color by 10%, you get **32.3472, 16.2102, 22.5376**, and if you desaturate by 10%, it is **33.2302, 17.0116, 25.8060**.

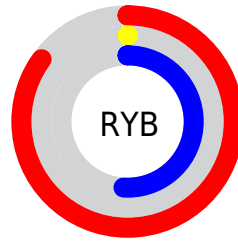
Distribution



Red (85%)

Green (0%)

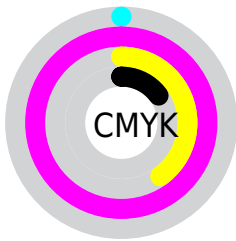
Blue (51%)



Red (85%)

Yellow (0%)

Blue (51%)

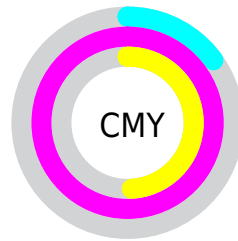


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3482, 16.2106, 22.5431 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 32.3482, 16.2106, 22.5431 by changing the saturation by 10% instead.


 32.3482, 16.2106,
22.5431


 32.3482, 16.2106,
22.5431


304.4196,
230.5812, 278.4150


 21.7844, 9.6733,
14.0544


 62.7181, 36.9634,
48.5556


 13.8143, 5.1829,
8.0193


 83.2549, 51.9478,
66.9166


 8.0725, 2.3550,
4.0194


 107.8468, 70.5165,
89.4053

 4.1935, 0.8026,
1.6360

 136.8591, 93.0542,
116.4403

 1.8122, 0.0000,
0.3163

 170.6571,
119.9451, 148.4403

 0.5250, 0.0000,
0.0000

 209.6063,

 0.0000, 0.0000,

151.5736, 185.8237

0.0000

254.0720,
188.3242, 229.0091

■ 32.3482, 16.2106,
22.5431

■ 32.3482, 16.2106,
22.5431

■ 32.3472, 16.2102,
22.5376

■ 33.2302, 17.0116,
25.8060

■ 34.4740, 18.4572,
29.4331

■ 36.1843, 20.7549,
33.4650

■ 38.4196, 24.0201,
37.9262

■ 41.2293, 28.3500,
42.8384

■ 44.6570, 33.8299,
48.2209

■ 48.7416, 40.5365,
54.0917

■ 53.5190, 48.5396,
60.4673

■ 59.0221, 57.9040,
67.3633

Harmonies

Analogous

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



28.3862, 16.2106, 50.9863



32.3482, 16.2106, 22.5431



30.8133, 16.2106, 6.6706

Triad

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



32.3482, 16.2106, 22.5431



10.8326, 16.2106, 0.7419



8.8204, 16.2106, 67.6241

Complementary

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



32.3482, 16.2106, 22.5431



26.2377, 49.7846, 17.0390

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.



6.2463, 16.2106, 36.7568



32.3482, 16.2106, 22.5431



7.1470, 16.2106, 3.3699

Square

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



32.3482, 16.2106, 22.5431



17.0327, 16.2106, 0.3496



5.7395, 16.2106, 13.5227



13.8894, 16.2106, 86.8989

Rectangle

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



32.3482, 16.2106, 22.5431



27.0475, 16.2106, 2.4459



5.7395, 16.2106, 13.5227



7.7032, 16.2106, 57.5124

Sweetspot

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



32.3487, 16.2115, 22.5434



70.7875, 58.7111, 78.5043



15.9470, 6.7898, 65.4359



14.5865, 11.6339, 16.0074



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.



32.3487, 16.2115, 22.5434



47.0273, 23.5749, 32.4056



28.4974, 14.6710, 2.2629



12.7339, 12.5451, 14.5389



19.2008, 9.6166, 13.6273



1.1984, 0.5962, 1.0343

Inverse Universe

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



32.3487, 16.2115, 22.5434



47.0273, 23.5749, 32.4056



33.9389, 52.8651, 57.5929



12.7339, 12.5451, 14.5389



19.2008, 9.6166, 13.6273



1.1984, 0.5962, 1.0343

Previews

White Background



This preview shows how the XYZ color 32.3482, 16.2106, 22.5431 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 32.3482, 16.2106, 22.5431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

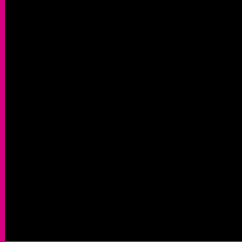
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.3482, 16.2106, 22.5431

Background



This preview shows how black text looks on a background with the XYZ color 32.3482, 16.2106, 22.5431.



This preview shows how white text looks on a background with the XYZ color 32.3482, 16.2106,

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

32.3482, 16.2106, 22.5431

Protanopia

18.3133, 17.0183, 48.7740

Deuteranopia

17.1617, 16.8869, 20.4441



Tritanopia

28.9778, 16.6217, 5.0492

Trichromacy



Original Color

32.3482, 16.2106, 22.5431



Protanomaly

18.6519, 12.1652, 37.4414



Deuteranomaly

19.6016, 13.0296, 20.5506



Tritanomaly

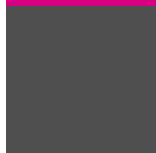
29.4423, 15.7732, 9.2773

Monochromacy



Original Color

32.3482, 16.2106, 22.5431



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.3985, 7.8302, 12.4132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3482, 16.2106, 22.5431 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(216, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 130)  
}
```

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(216, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 130) }
```

Border

The CSS property to change the border of an element to XYZ 32.3482, 16.2106, 22.5431 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(216, 0, 130) }
```


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

```
.border{ border-color:rgb(216, 0, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3482, 16.2106, 22.5431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 130) }
```

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

```
.background{ background-color: rgb(216, 0,  
130) }
```

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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