

Converting Colors

XYZ(32.1415, 16.9568, 24.3431)

Have a look what the booklet for
XYZ(32.1415, 16.9568, 24.3431)
contains.

XYZ(32.1256, 16.9484, 24.4998)	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(32.1256, 16.9484,
24.4998)**

Conversions

Conversions Part 1

Format	Color
Hex	D42387
RGB	212, 35, 135
RGB Percent	83%, 14%, 53%
CMY	0.1686, 0.8627, 0.4706
CMYK	0.00, 0.83, 0.36, 0.17
HSL	326°, 72%, 48%
HSV	326°, 83%, 83%
XYZ	32.1256, 16.9484, 24.4998
YIQ	99.3230, 73.3920, 68.6240

Conversions

Conversions Part 2

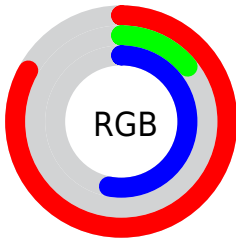
Format	Color
R_{YB}	212, 35, 135
Decimal	13902727
CIE _{Lab}	48.19, 71.59, -10.96
CIE _{LCh}	48, 72.422, 351.292
Yxy	16.9484, 0.4366, 0.2304
Android (android.graphics.Color)	4292092807 (0xFFD42387)
YUV	99.3230, 17.5888, 98.8177
Hunter-Lab	41.1684, 67.2469, -6.4662

Details

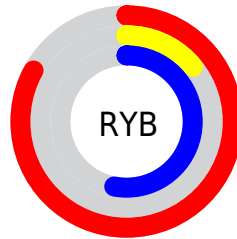
The XYZ color **32.1256, 16.9484, 24.4998** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **27.1627, 48.6148, 23.2858**, and the grayscale version is **11.8872, 12.5062, 13.6193**.

A 20% lighter version of the original color is **55.1673, 34.5913, 51.3461**, and **14.5886, 7.3313, 9.2405** is the 20% darker color. If you saturate the color by 10%, you get **31.0575, 15.8068, 21.0774**, and if you desaturate by 10%, it is **33.6272, 18.8669, 28.3446**.

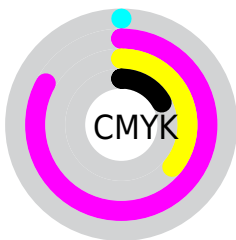
Distribution



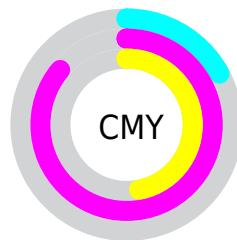
- Red (83%)
- Green (14%)
- Blue (53%)



- Red (83%)
- Yellow (14%)
- Blue (53%)



- Cyan (0%)
- Magenta (83%)
- Yellow (36%)
- Black (17%)





- Cyan (17%)
- Magenta (86%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1256, 16.9484, 24.4998 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 32.1256, 16.9484, 24.4998 by changing the saturation by 10% instead.


 32.1256, 16.9484,
24.4998


 32.1256, 16.9484,
24.4998


303.4261,
234.8749, 288.7052


 21.6135, 10.1977,
15.4892


 62.3718, 38.2370,
51.7986


 13.6882, 5.5302,
9.0130


 82.8366, 53.5438,
70.9238


 7.9843, 2.5616,
4.6527


 107.3496, 72.4713,
94.2577

 4.1367, 0.9074,
1.9898

 136.2763, 95.4040,
122.2187

 1.7797, 0.0000,
0.5490

 169.9819,
122.7264, 155.2254

 0.5054, 0.0000,
0.0000

 208.8318,

 0.0000, 0.0000,

154.8227, 193.6964

0.0000

253.1915,
192.0774, 238.0501

■ 32.1256, 16.9484,
24.4998

■ 32.1256, 16.9484,
24.4998

■ 31.0575, 15.8068,
21.0774

■ 33.6272, 18.8669,
28.3446


■ 30.5274, 15.3475,
19.0483


■ 35.6213, 21.6779,
32.6378


■ 38.1583, 25.4807,
37.4028


■ 41.2820, 30.3603,
42.6606

■ 45.0312, 36.3926,
48.4303

 49.4414, 43.6465,
54.7295

 54.5453, 52.1857,
61.5749

 60.3733, 62.0692,
68.9823

 66.9541, 73.3523,
76.9668

Harmonies

Analogous

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



28.1325, 16.9484, 51.6415



32.1256, 16.9484, 24.4998



31.0021, 16.9484, 8.1778

Triad

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



32.1256, 16.9484, 24.4998



11.9386, 16.9484, 1.0974



9.4230, 16.9484, 63.6123

Complementary

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



32.1256, 16.9484, 24.4998



27.1627, 48.6148, 23.2858

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.



6.9640, 16.9484, 34.9808



32.1256, 16.9484, 24.4998



8.1173, 16.9484, 3.8057

Square

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



32.1256, 16.9484, 24.4998



18.1009, 16.9484, 0.8045



6.5617, 16.9484, 13.4947



14.2688, 16.9484, 82.4148

Rectangle

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



32.1256, 16.9484, 24.4998



27.6042, 16.9484, 3.3854



6.5617, 16.9484, 13.4947



8.3516, 16.9484, 54.1662

Sweetspot

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



32.1261, 16.9493, 24.5001



73.8270, 64.1914, 81.3637



19.1303, 9.3822, 63.0901



15.2817, 12.8815, 16.6791



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.



32.1261, 16.9493, 24.5001



46.2785, 23.2754, 28.4623



28.2623, 15.4038, 4.1534



12.7142, 12.5372, 14.4350



18.8972, 9.4952, 12.0288



1.1810, 0.5892, 0.9426

Inverse Universe

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



32.1261, 16.9493, 24.5001



46.2785, 23.2754, 28.4623



34.6860, 51.6242, 62.9032



12.7142, 12.5372, 14.4350



18.8972, 9.4952, 12.0288



1.1810, 0.5892, 0.9426

Previews

White Background



This preview shows how the XYZ color 32.1256, 16.9484, 24.4998 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 32.1256, 16.9484, 24.4998 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 32.1256, 16.9484, 24.4998

Background



This preview shows how black text looks on a background with the XYZ color 32.1256, 16.9484, 24.4998.



This preview shows how white text looks on a background with the XYZ color 32.1256, 16.9484,

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

32.1256, 16.9484, 24.4998

Protanopia

18.6985, 17.3817, 48.8239

Deuteranopia

17.4452, 17.1596, 22.1313



Tritanopia

28.3263, 16.9731, 6.6337

Trichromacy



Original Color

32.1256, 16.9484, 24.4998

Protanomaly

19.7393, 14.1926, 38.2583

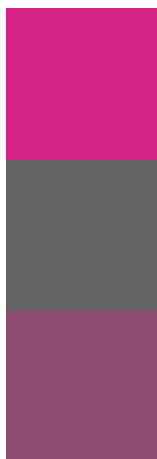
Deuteranomaly

20.4592, 14.7957, 22.5464

Tritanomaly

29.3679, 16.7495, 11.3580

Monochromacy



Original Color

32.1256, 16.9484, 24.4998

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.3243, 11.9142, 16.7685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1256, 16.9484, 24.4998 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, 35, 135)` looks like.

```
.text, #text, p{  
    color:rgb(212, 35, 135)  
}
```

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, 35, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 35, 135) }
```

Border

The CSS property to change the border of an element to XYZ 32.1256, 16.9484, 24.4998 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, 35, 135) }
```


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

```
.border{ border-color:rgb(212, 35, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 35, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 35, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 35, 135); box-shadow:4px 4px 4px 4px rgb(212, 35, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1256, 16.9484, 24.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 35, 135) }
```

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

```
.background{ background-color: rgb(212, 35,  
135) }
```

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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