

Converting Colors

XYZ(32.7356, 17.9949, 20.0690)

Have a look what the booklet for
XYZ(32.7356, 17.9949, 20.0690)
contains.

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Color

**XYZ(32.8483, 18.0371,
20.1626)**

Conversions

Conversions Part 1

Format	Color
Hex	D82F7A
RGB	216, 47, 122
RGB Percent	85%, 18%, 48%
CMY	0.1529, 0.8156, 0.5216
CMYK	0.00, 0.78, 0.44, 0.15
HSL	333°, 68%, 52%
HSV	333°, 78%, 85%
XYZ	32.8483, 18.0371, 20.1626
YIQ	106.0810, 76.6490, 59.1530

Conversions

Conversions Part 2

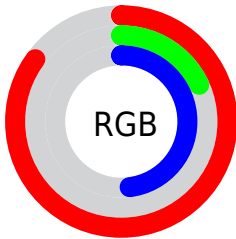
Format	Color
R_{YB}	216, 47, 122
Decimal	14167930
CIE Lab	49.54, 68.38, -0.99
CIE LCh	50, 68.385, 359.166
Yxy	18.0371, 0.4623, 0.2539
Android (android.graphics.Color)	4292358010 (0xFFD82F7A)
YUV	106.0810, 7.8481, 96.3990
Hunter-Lab	42.4701, 63.7373, 1.5813

Details

The XYZ color **32.8483, 18.0371, 20.1626** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **30.5374, 51.6398, 33.5620**, and the grayscale version is **13.6878, 14.4006, 15.6823**.

A 20% lighter version of the original color is **54.4559, 35.4679, 44.0202**, and **14.7536, 7.4630, 7.1415** is the 20% darker color. If you saturate the color by 10%, you get **31.4891, 16.4374, 16.2608**, and if you desaturate by 10%, it is **34.7274, 20.5293, 24.6922**.

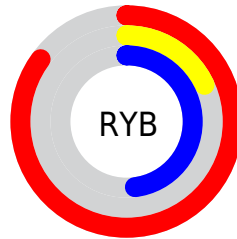
Distribution



Red (85%)

Green (18%)

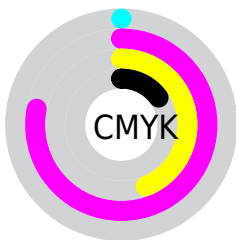
Blue (48%)



Red (85%)

Yellow (18%)

Blue (48%)

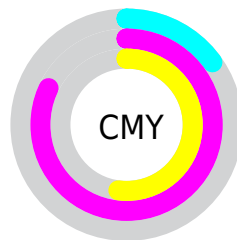


Cyan (0%)

Magenta (78%)

Yellow (44%)

Black (15%)



Cyan (15%)

Magenta (82%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8483, 18.0371, 20.1626 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 32.8483, 18.0371, 20.1626 by changing the saturation by 10% instead.


 32.8483, 18.0371,
20.1626


 32.8483, 18.0371,
20.1626


306.6427,
241.0801, 265.4273


 22.1689, 10.9766,
12.3280


 63.4949, 40.1005,
44.5522

 14.0984, 6.0511,
6.8423


 84.1928, 55.8723,
61.9443


 8.2713, 2.8762,
3.2867

 108.9610, 75.3166,
83.3593

 4.3223, 1.0674,
1.2428

 138.1647, 98.8178,
109.2158

 1.8860, 0.0000,
0.0142

 172.1694,
126.7604, 139.9323

 0.5687, 0.0000,
0.0000

211.3404,

 0.0000, 0.0000,

159.5287, 175.9274

0.0000

256.0430,
197.5071, 217.6195

■ 32.8483, 18.0371,
20.1626

■ 32.8483, 18.0371,
20.1626

■ 31.4891, 16.4374,
16.2608

■ 34.7274, 20.5293,
24.6922

■ 30.5635, 15.5630,
12.9410

■ 37.1837, 24.0235,
29.8838

■ 30.4233, 15.4407,
12.4069

■ 40.2679, 28.6162,
35.7695

■ 44.0245, 34.3918,
42.3782

■ 48.4937, 41.4264,
49.7372

■ 53.7124, 49.7895,
57.8717

■ 59.7150, 59.5457,
66.8060

■ 66.5336, 70.7553,
76.5630

■ 74.1985, 83.4749,
87.1645

Harmonies

Analogous

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



30.2098, 18.0371, 44.1687



32.8483, 18.0371, 20.1626



30.4748, 18.0371, 6.8838

Triad

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



32.8483, 18.0371, 20.1626



11.7640, 18.0371, 2.0594



11.5216, 18.0371, 68.9195

Complementary

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



32.8483, 18.0371, 20.1626



30.5374, 51.6398, 33.5620

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.



8.4085, 18.0371, 42.6445



32.8483, 18.0371, 20.1626



8.5216, 18.0371, 6.4468

Square

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



32.8483, 18.0371, 20.1626



17.3255, 18.0371, 1.2094



7.4652, 18.0371, 19.1252



16.9632, 18.0371, 81.2148

Rectangle

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



32.8483, 18.0371, 20.1626



26.6406, 18.0371, 3.1291



7.4652, 18.0371, 19.1252



10.2238, 18.0371, 60.8540

Sweetspot

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



32.8488, 18.0381, 20.1629



74.2942, 66.1920, 78.2322



24.2194, 12.5635, 66.1142



15.3246, 13.2453, 15.8365



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.



32.8488, 18.0381, 20.1629



44.9073, 23.0071, 20.3781



30.2205, 17.5807, 4.4913



12.6499, 12.5115, 14.0968



18.0600, 9.1603, 7.6199



1.1306, 0.5690, 0.6770

Inverse Universe

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



32.8488, 18.0381, 20.1629



44.9073, 23.0071, 20.3781



36.0140, 50.4554, 72.8064



12.6499, 12.5115, 14.0968



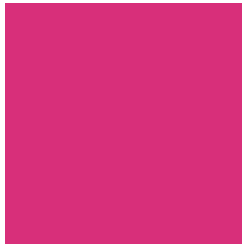
18.0600, 9.1603, 7.6199



1.1306, 0.5690, 0.6770

Previews

White Background



This preview shows how the XYZ color 32.8483, 18.0371, 20.1626 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 32.8483, 18.0371, 20.1626 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 32.8483, 18.0371, 20.1626

Background



This preview shows how black text looks on a background with the XYZ color 32.8483, 18.0371, 20.1626.



This preview shows how white text looks on a background with the XYZ color 32.8483, 18.0371,

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

32.8483, 18.0371, 20.1626

Protanopia

18.7710, 18.3460, 37.6737

Deuteranopia

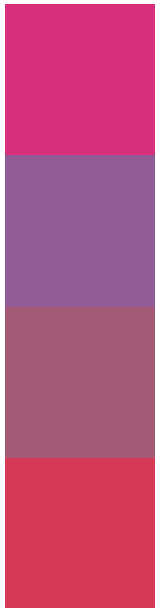
18.5703, 18.1551, 18.4451



Tritanopia

30.2014, 18.0945, 7.0551

Trichromacy



Original Color

32.8483, 18.0371, 20.1626

Protanomaly

20.9290, 15.8440, 30.3889

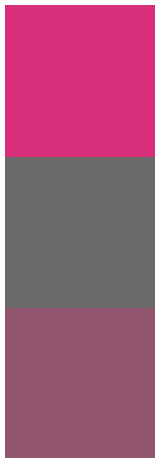
Deuteranomaly

21.9713, 16.3832, 18.8339

Tritanomaly

30.8744, 17.8943, 10.6308

Monochromacy



Original Color

32.8483, 18.0371, 20.1626

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.0272, 13.7778, 17.0385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8483, 18.0371, 20.1626 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, 47, 122)` looks like.

```
.text, #text, p{  
    color:rgb(216, 47, 122)  
}
```

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, 47, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 47, 122) }
```

Border

The CSS property to change the border of an element to XYZ 32.8483, 18.0371, 20.1626 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, 47, 122) }
```


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

```
.border{ border-color:rgb(216, 47, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 47, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 47, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 47, 122);  
box-shadow:4px 4px 4px 4px rgb(216, 47,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8483, 18.0371, 20.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 47, 122) }
```

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

```
.background{ background-color: rgb(216, 47,  
122) }
```

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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