

Converting Colors

XYZ(32.1858, 18.6133, 16.9509)

Have a look what the booklet for
XYZ(32.1858, 18.6133, 16.9509)
contains.

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Color

**XYZ(32.1648, 18.5718,
16.9284)**

Conversions

Conversions Part 1

Format	Color
Hex	D63B6F
RGB	214, 59, 111
RGB Percent	84%, 23%, 44%
CMY	0.1608, 0.7686, 0.5647
CMYK	0.00, 0.72, 0.48, 0.16
HSL	340°, 65%, 54%
HSV	340°, 72%, 84%
XYZ	32.1648, 18.5718, 16.9284
YIQ	111.2730, 75.6880, 49.0320

Conversions

Conversions Part 2

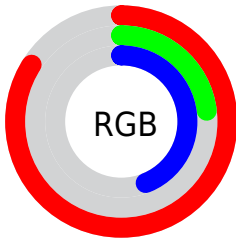
Format	Color
R_{YB}	214, 59, 111
Decimal	14039919
CIE _{Lab}	50.18, 63.16, 6.56
CIE _{LCh}	50, 63.503, 5.934
Yxy	18.5718, 0.4754, 0.2745
Android (android.graphics.Color)	4292229999 (0xFFD63B6F)
YUV	111.2730, -0.1346, 90.0916
Hunter-Lab	43.0950, 57.8107, 6.8765

Details

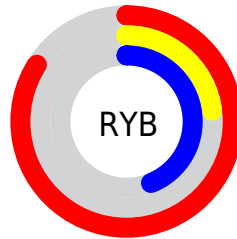
The XYZ color **32.1648, 18.5718, 16.9284** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **32.3733, 51.6322, 42.4468**, and the grayscale version is **15.1749, 15.9652, 17.3861**.

A 20% lighter version of the original color is **54.2400, 36.8255, 38.4317**, and **14.0623, 7.1425, 5.4880** is the 20% darker color. If you saturate the color by 10%, you get **30.5596, 16.5165, 12.8327**, and if you desaturate by 10%, it is **34.3462, 21.5801, 21.8316**.

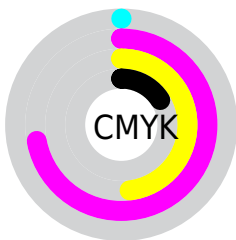
Distribution



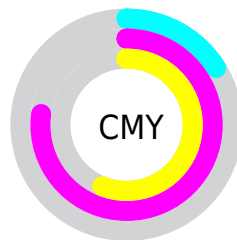
- Red (84%)
- Green (23%)
- Blue (44%)



- Red (84%)
- Yellow (23%)
- Blue (44%)



- Cyan (0%)
- Magenta (72%)
- Yellow (48%)
- Black (16%)





- Cyan (16%)
- Magenta (77%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1648, 18.5718, 16.9284 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 32.1648, 18.5718, 16.9284 by changing the saturation by 10% instead.


 32.1648, 18.5718,
16.9284


 32.1648, 18.5718,
16.9284


303.6013,
244.0745, 246.7894


 21.6436, 11.3613,
10.0220


 62.4328, 41.0093,
38.9916

 13.7104, 6.3104,
5.3078


 82.9103, 57.0050,
54.9855


 7.9998, 3.0347,
2.3671


 107.4372, 76.6980,
74.8457

 4.1467, 1.1499,
0.7684

 136.3790,
100.4725, 98.9907

 1.7854, 0.0202,
0.0000

 170.1009,
128.7131, 127.8390

 0.5089, 0.0000,
0.0000

208.9684,

 0.0000, 0.0000,

161.8040, 161.8092

0.0000

253.3467,
200.1297, 201.3198

■ 32.1648, 18.5718,
16.9284

■ 32.1648, 18.5718,
16.9284

■ 30.5596, 16.5165,
12.8327

■ 34.3462, 21.5801,
21.8316

■ 29.4642, 15.2907,
9.4928

■ 37.1570, 25.6387,
27.5868

■ 28.8942, 14.7612,
7.4204

■ 40.6455, 30.8363,
34.2356

■ 44.8548, 37.2510,
41.8165

■ 49.8243, 44.9543,
50.3656

■ 55.5904, 54.0118,
59.9169

■ 62.1872, 64.4848,
70.5027

■ 69.6466, 76.4308,
82.1536

■ 77.9988, 89.9042,
94.8992

Harmonies

Analogous

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



30.7515, 18.5718, 37.3498



32.1648, 18.5718, 16.9284



29.0207, 18.5718, 6.1752

Triad

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



32.1648, 18.5718, 16.9284



11.5984, 18.5718, 3.3532



13.2679, 18.5718, 69.3648

Complementary

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



32.1648, 18.5718, 16.9284



32.3733, 51.6322, 42.4468

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.



9.7240, 18.5718, 47.2090



32.1648, 18.5718, 16.9284



8.9279, 18.5718, 9.3421

Square

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



32.1648, 18.5718, 16.9284



16.4611, 18.5718, 1.7996



8.3313, 18.5718, 23.9162



18.8988, 18.5718, 75.8188

Rectangle

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



32.1648, 18.5718, 16.9284



25.1128, 18.5718, 3.1663



8.3313, 18.5718, 23.9162



11.8378, 18.5718, 63.0631

Sweetspot

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



32.1653, 18.5728, 16.9287



74.2585, 67.1081, 75.1759



28.1501, 15.4323, 65.1133



15.4350, 13.6479, 15.3124



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.



32.1653, 18.5728, 16.9287



44.4719, 23.4296, 16.2455



31.5581, 20.6857, 6.4686



12.5934, 12.4889, 13.7990



17.5082, 8.9396, 4.7143



1.0940, 0.5544, 0.4843

Inverse Universe

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



32.1653, 18.5728, 16.9287



44.4719, 23.4296, 16.2455



32.5185, 42.9384, 70.1922



12.5934, 12.4889, 13.7990



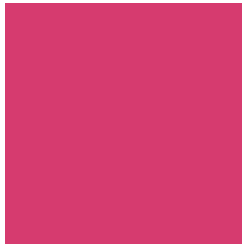
17.5082, 8.9396, 4.7143



1.0940, 0.5544, 0.4843

Previews

White Background



This preview shows how the XYZ color 32.1648, 18.5718, 16.9284 looks on a white background.

Color Contrast Check

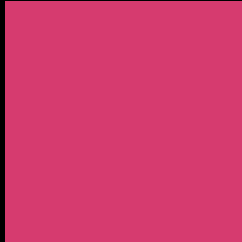
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1648, 18.5718, 16.9284 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 32.1648, 18.5718, 16.9284

Background



This preview shows how black text looks on a background with the XYZ color 32.1648, 18.5718, 16.9284.



This preview shows how white text looks on a background with the XYZ color 32.1648, 18.5718,

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

32.1648, 18.5718, 16.9284

Protanopia

18.7779, 18.8828, 29.4431

Deuteranopia

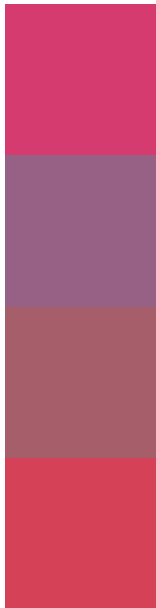
19.1748, 18.8733, 15.4643



Tritanopia

30.3882, 18.5992, 8.1193

Trichromacy



Original Color

32.1648, 18.5718, 16.9284

Protanomaly

21.2708, 16.8222, 24.3162

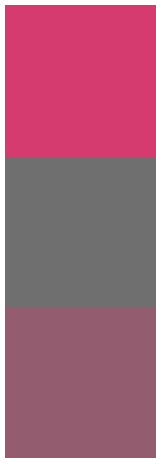
Deuteranomaly

22.4196, 17.3320, 15.7994

Tritanomaly

31.0106, 18.5986, 10.7596

Monochromacy



Original Color

32.1648, 18.5718, 16.9284

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.9091, 15.0979, 16.9565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1648, 18.5718, 16.9284 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(214, 59, 111)` looks like.

```
.text, #text, p{  
    color:rgb(214, 59, 111)  
}
```

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(214, 59, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 59, 111) }
```

Border

The CSS property to change the border of an element to XYZ 32.1648, 18.5718, 16.9284 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(214, 59, 111) }
```


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

```
.border{ border-color:rgb(214, 59, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 59, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 59, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 59, 111); box-shadow:4px 4px 4px 4px rgb(214, 59, 111) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1648, 18.5718, 16.9284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 59, 111) }
```

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

```
.background{ background-color: rgb(214, 59,  
111) }
```

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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