

Converting Colors

XYZ(36.4750, 18.1529, 49.4233)

Have a look what the booklet for
XYZ(36.4750, 18.1529, 49.4233)
contains.

XYZ(36.4966, 18.1642, 49.1594)	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(36.4966, 18.1642,
49.1594)**

Conversions

Conversions Part 1

Format	Color
Hex	D415BC
RGB	212, 21, 188
RGB Percent	83%, 8%, 74%
CMY	0.1686, 0.9176, 0.2627
CMYK	0.00, 0.90, 0.11, 0.17
HSL	308°, 82%, 46%
HSV	308°, 90%, 83%
XYZ	36.4966, 18.1642, 49.1594
YIQ	97.1470, 60.2290, 92.4290

Conversions

Conversions Part 2

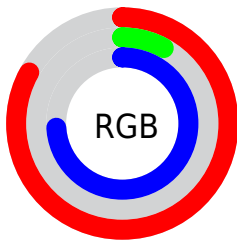
Format	Color
R_{YB}	212, 21, 188
Decimal	13899196
CIE _{Lab}	49.69, 80.25, -40.16
CIE _{LCh}	50, 89.742, 333.413
Yxy	18.1642, 0.3515, 0.1750
Android (android.graphics.Color)	4292089276 (0xFFD415BC)
YUV	97.1470, 44.7905, 100.7261
Hunter-Lab	42.6195, 78.2719, -38.5544

Details

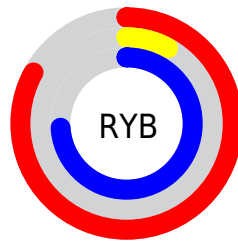
The XYZ color **36.4966, 18.1642, 49.1594** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **24.3274, 47.4366, 10.3587**, and the grayscale version is **11.2843, 11.8720, 12.9286**.

A 20% lighter version of the original color is **62.1833, 36.7763, 90.2073**, and **17.4399, 8.4935, 23.2745** is the 20% darker color. If you saturate the color by 10%, you get **35.9465, 17.5151, 47.5839**, and if you desaturate by 10%, it is **37.3545, 19.4156, 50.8757**.

Distribution



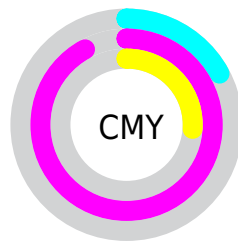
- Red (83%)
- Green (8%)
- Blue (74%)



- Red (83%)
- Yellow (8%)
- Blue (74%)



- Cyan (0%)
- Magenta (90%)
- Yellow (11%)
- Black (17%)





- Cyan (17%)
- Magenta (92%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4966, 18.1642, 49.1594 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 36.4966, 18.1642, 49.1594 by changing the saturation by 10% instead.


 36.4966, 18.1642,
49.1594


 36.4966, 18.1642,
49.1594


322.5194,
241.7949, 400.0100

 24.9899, 11.0679,
34.3794


 69.1167, 40.3169,
90.3116

 16.1982, 6.1126,
22.9055

 90.9608, 56.1422,
117.5209


 9.7562, 2.9136,
14.3191


 116.9815, 75.6459,
149.7104

 5.2987, 1.0868,
8.2017

 147.5439, 99.2124,
187.2987

 2.4601, 0.0000,
4.1346

 183.0136,
127.2262, 230.7042

 0.8752, 0.0000,
1.6995

 223.7558,

 0.0000, 0.0000,

160.0716, 280.3456

0.3604

270.1360,
198.1331, 336.6414

■ 0.0000, 0.0000,
0.0000

■ 36.4966, 18.1642,
49.1594

■ 36.4966, 18.1642,
49.1594

■ 35.9465, 17.5151,
47.5839

■ 37.3545, 19.4156,
50.8757

■ 38.6149, 21.4639,
52.7523

■ 40.3333, 24.4198,
54.8080

■ 42.5562, 28.3760,
57.0585

■ 45.3242, 33.4135,
59.5174

■ 48.6736, 39.6053,
62.1969

■ 52.6377, 47.0179,
65.1083

■ 57.2474, 55.7128,
68.2620

■ 62.5313, 65.7472,
71.6677

Harmonies

Analogous

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



27.9730, 18.1642, 90.6908



36.4966, 18.1642, 49.1594



39.3804, 18.1642, 17.1087

Triad

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



36.4966, 18.1642, 49.1594



16.3055, 18.1642, 0.0000



6.8680, 18.1642, 58.6026

Complementary

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



36.4966, 18.1642, 49.1594



24.3274, 47.4366, 10.3587

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.



5.5161, 18.1642, 22.7108



36.4966, 18.1642, 49.1594



9.7112, 18.1642, 0.7530

Square

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



36.4966, 18.1642, 49.1594



25.7021, 18.1642, 0.3795



6.3528, 18.1642, 5.3170



10.9109, 18.1642, 98.6377

Rectangle

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



36.4966, 18.1642, 49.1594



37.1330, 18.1642, 6.3616



6.3528, 18.1642, 5.3170



6.1576, 18.1642, 44.9561

Sweetspot

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



36.4973, 18.1651, 49.1597



75.5185, 63.1162, 95.6712



13.1613, 5.8107, 62.7157



15.7470, 12.7328, 20.1614



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.



36.4973, 18.1651, 49.1597



54.5531, 26.5852, 72.0359



29.4508, 15.3465, 12.0537



12.8827, 12.6046, 15.3226



22.2171, 10.8232, 29.5109



1.3593, 0.6605, 1.8813

Inverse Universe

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



36.4973, 18.1651, 49.1597



54.5531, 26.5852, 72.0359



28.4984, 49.1050, 32.3226



12.8827, 12.6046, 15.3226



22.2171, 10.8232, 29.5109



1.3593, 0.6605, 1.8813

Previews

White Background



This preview shows how the XYZ color 36.4966, 18.1642, 49.1594 looks on a white background.

Color Contrast Check

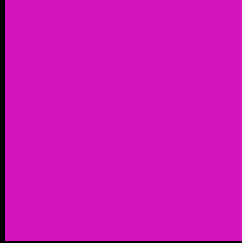
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4966, 18.1642, 49.1594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

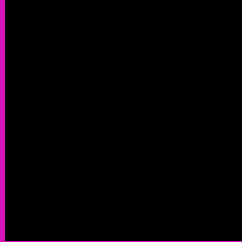
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4966, 18.1642, 49.1594

Background



This preview shows how black text looks on a background with the XYZ color 36.4966, 18.1642, 49.1594.



This preview shows how white text looks on a background with the XYZ color 36.4966, 18.1642,

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

36.4966, 18.1642, 49.1594

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

19.0303, 18.5109, 44.1649



Tritanopia

28.3895, 18.3046, 9.6263

Trichromacy



Original Color

36.4966, 18.1642, 49.1594



Protanomaly

19.4575, 12.8445, 71.9747



Deuteranomaly

21.7503, 14.8411, 45.4343



Tritanomaly

30.1975, 17.2821, 19.1969

Monochromacy



Original Color

36.4966, 18.1642, 49.1594



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

16.8048, 11.3569, 22.4255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4966, 18.1642, 49.1594 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, 21, 188)` looks like.

```
.text, #text, p{  
    color:rgb(212, 21, 188)  
}
```

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, 21, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 21, 188) }
```

Border

The CSS property to change the border of an element to XYZ 36.4966, 18.1642, 49.1594 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, 21, 188) }
```


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

```
.border{ border-color:rgb(212, 21, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 21, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 21, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 21, 188);  
box-shadow:4px 4px 4px 4px rgb(212, 21,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4966, 18.1642, 49.1594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 21, 188) }
```

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

```
.background{ background-color: rgb(212, 21,  
188) }
```

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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