

Converting Colors

XYZ(36.9410, 24.1817, 19.9723)

Have a look what the booklet for
XYZ(36.9410, 24.1817, 19.9723)
contains.

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Color

**XYZ(36.8299, 24.1623,
19.8622)**

Conversions

Conversions Part 1

Format	Color
Hex	DD5B76
RGB	221, 91, 118
RGB Percent	87%, 36%, 46%
CMY	0.1333, 0.6431, 0.5373
CMYK	0.00, 0.59, 0.47, 0.13
HSL	348°, 66%, 61%
HSV	348°, 59%, 87%
XYZ	36.8299, 24.1623, 19.8622
YIQ	132.9480, 68.8130, 35.9570

Conversions

Conversions Part 2

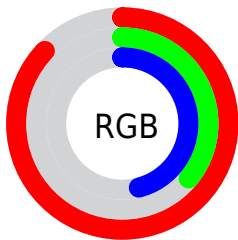
Format	Color
R_{YB}	221, 91, 118
Decimal	14506870
CIE _{Lab}	56.25, 53.10, 11.14
CIE _{LCh}	56, 54.256, 11.850
Yxy	24.1623, 0.4555, 0.2988
Android (android.graphics.Color)	4292696950 (0xFFDD5B76)
YUV	132.9480, -7.3694, 77.2216
Hunter-Lab	49.1552, 47.7210, 10.4512

Details

The XYZ color **36.8299, 24.1623, 19.8622** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **39.9099, 57.8327, 60.1022**, and the grayscale version is **22.2847, 23.4453, 25.5319**.

A 20% lighter version of the original color is **58.7746, 44.7200, 43.5643**, and **16.3473, 9.1070, 6.6906** is the 20% darker color. If you saturate the color by 10%, you get **34.2652, 20.5466, 14.3412**, and if you desaturate by 10%, it is **40.1452, 28.9701, 26.5869**.

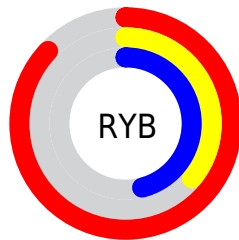
Distribution



Red (87%)

Green (36%)

Blue (46%)



Red (87%)

Yellow (36%)

Blue (46%)

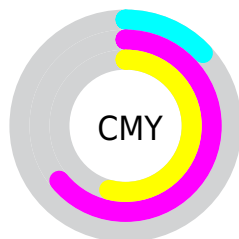


Cyan (0%)

Magenta (59%)

Yellow (47%)

Black (13%)



Cyan (13%)


Magenta (64%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8299, 24.1623, 19.8622 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 36.8299, 24.1623, 19.8622 by changing the saturation by 10% instead.


 36.8299, 24.1623,
19.8622


 36.8299, 24.1623,
19.8622


323.9418,
273.6400, 263.7477

 25.2489, 15.4541,
12.1118


 69.6266, 50.2949,
44.0420


 16.3923, 9.1387,
6.6964


 91.5730, 68.4881,
61.3084

 9.8948, 4.8317,
3.1974


 117.7053, 90.6117,
82.5840

 5.3910, 2.1489,
1.1963

 148.3888,
117.0501, 108.2873

 2.5155, 0.6919,
0.0000

183.9888,
148.1878, 138.8367

 0.9031, 0.0000,
0.0000

224.8708,

 0.0000, 0.0000,

184.4090, 174.6509

0.0000

271.4000,
226.0983, 216.1484

■ 36.8299, 24.1623,
19.8622

■ 36.8299, 24.1623,
19.8622

■ 34.2652, 20.5466,
14.3412

■ 40.1452, 28.9701,
26.5869

■ 32.3881, 18.0140,
9.9494

■ 44.2633, 35.0587,
34.5808

■ 31.1279, 16.4420,
6.6054

■ 49.2341, 42.5127,
43.9061

■ 30.3797, 15.6418,
4.2097

■ 55.1025, 51.4086,
54.6206

■ 30.3097, 15.5685,
3.9811

■ 61.9105, 61.8170,
66.7784

■ 69.6972, 73.8039,
80.4308

■ 78.4996, 87.4314,
95.6266

■ 83.6287, 94.1121,
108.3655

Harmonies

Analogous

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



36.3640, 24.1623, 38.5360



36.8299, 24.1623, 19.8622



33.1173, 24.1623, 9.3927

Triad

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



36.8299, 24.1623, 19.8622



15.8520, 24.1623, 8.1112



19.4256, 24.1623, 74.3596

Complementary

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



36.8299, 24.1623, 19.8622



39.9099, 57.8327, 60.1022

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.



15.1345, 24.1623, 56.5541



36.8299, 24.1623, 19.8622



13.3436, 24.1623, 16.9872

Square

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



36.8299, 24.1623, 19.8622



20.5879, 24.1623, 4.9684



13.1073, 24.1623, 34.0177



25.5196, 24.1623, 76.3317

Rectangle

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



36.8299, 24.1623, 19.8622



29.1068, 24.1623, 6.1485



13.1073, 24.1623, 34.0177



17.7553, 24.1623, 69.7489

Sweetspot

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



36.8305, 24.1636, 19.8626



76.8027, 72.0051, 76.6140



38.7431, 24.0197, 71.0008



15.8956, 14.5853, 15.4162



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.



36.8305, 24.1636, 19.8626



46.5848, 27.3106, 18.0131



39.4055, 31.5239, 13.9070



13.1661, 13.0955, 14.1359



17.6407, 9.0573, 2.4881



1.1744, 0.5994, 0.3275

Inverse Universe

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



36.8305, 24.1636, 19.8626



46.5848, 27.3106, 18.0131



34.5418, 41.7961, 74.6534



13.1661, 13.0955, 14.1359



17.6407, 9.0573, 2.4881



1.1744, 0.5994, 0.3275

Previews

White Background



This preview shows how the XYZ color 36.8299, 24.1623, 19.8622 looks on a white background.

Color Contrast Check

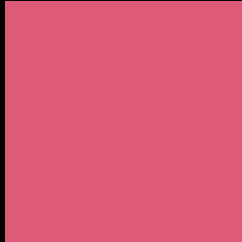
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8299, 24.1623, 19.8622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

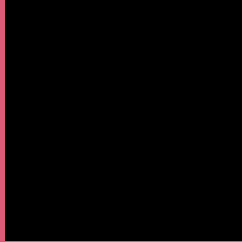
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8299, 24.1623, 19.8622

Background



This preview shows how black text looks on a background with the XYZ color 36.8299, 24.1623, 19.8622.



This preview shows how white text looks on a background with the XYZ color 36.8299, 24.1623,

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

36.8299, 24.1623, 19.8622

Protanopia

23.6250, 24.4853, 28.6803

Deuteranopia

24.8119, 24.3032, 18.7125



Tritanopia

35.8182, 24.1412, 14.8285

Trichromacy



Original Color

36.8299, 24.1623, 19.8622

Protanomaly

26.7668, 23.1026, 25.2388

Deuteranomaly

28.1050, 23.4090, 18.9567

Tritanomaly

36.0834, 24.1059, 16.6610

Monochromacy



Original Color

36.8299, 24.1623, 19.8622

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.8918, 22.5147, 23.4032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8299, 24.1623, 19.8622 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(221, 91, 118)` looks like.

```
.text, #text, p{  
    color:rgb(221, 91, 118)  
}
```

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(221, 91, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 91, 118) }
```

Border

The CSS property to change the border of an element to XYZ 36.8299, 24.1623, 19.8622 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(221, 91, 118) }
```


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

```
.border{ border-color:rgb(221, 91, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 91, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 91, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 91, 118);  
box-shadow:4px 4px 4px 4px rgb(221, 91,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8299, 24.1623, 19.8622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 91, 118) }
```

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

```
.background{ background-color: rgb(221, 91,  
118) }
```

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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