

Converting Colors

XYZ(36.6661, 23.1870, 19.7824)

Have a look what the booklet for
XYZ(36.6661, 23.1870, 19.7824)
contains.

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Color

**XYZ(36.5645, 23.1782,
19.6862)**

Conversions

Conversions Part 1

Format	Color
Hex	DE5476
RGB	222, 84, 118
RGB Percent	87%, 33%, 46%
CMY	0.1294, 0.6706, 0.5373
CMYK	0.00, 0.62, 0.47, 0.13
HSL	345°, 68%, 60%
HSV	345°, 62%, 87%
XYZ	36.5645, 23.1782, 19.6862
YIQ	129.1380, 71.3340, 39.8300

Conversions

Conversions Part 2

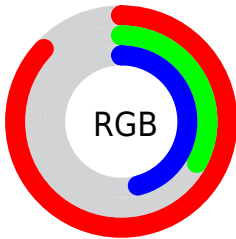
Format	Color
R_{YB}	222, 84, 118
Decimal	14570614
CIE _{Lab}	55.26, 56.51, 9.76
CIE _{LCh}	55, 57.346, 9.802
Yxy	23.1782, 0.4603, 0.2918
Android (android.graphics.Color)	4292760694 (0xFFDE5476)
YUV	129.1380, -5.4910, 81.4400
Hunter-Lab	48.1437, 51.3167, 9.4567

Details

The XYZ color **36.5645, 23.1782, 19.6862** 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 **38.8559, 57.7587, 56.6816**, and the grayscale version is **20.9167, 22.0060, 23.9645**.

A 20% lighter version of the original color is **57.8738, 42.9184, 43.2640**, and **16.2559, 8.6239, 6.6021** is the 20% darker color. If you saturate the color by 10%, you get **34.1985, 19.8988, 14.4196**, and if you desaturate by 10%, it is **39.6539, 27.6223, 26.0644**.

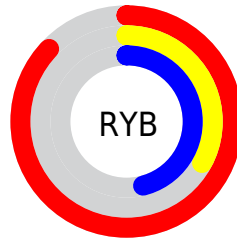
Distribution



Red (87%)

Green (33%)

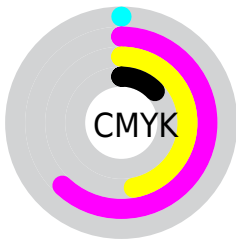
Blue (46%)



Red (87%)

Yellow (33%)

Blue (46%)

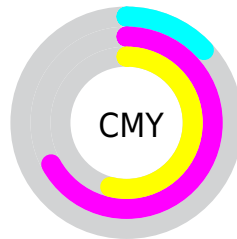


Cyan (0%)

Magenta (62%)

Yellow (47%)

Black (13%)



Cyan (13%)

Magenta (67%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5645, 23.1782, 19.6862 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 36.5645, 23.1782, 19.6862 by changing the saturation by 10% instead.

 36.5645, 23.1782,
19.6862


 36.5645, 23.1782,
19.6862


322.8096,
268.6389, 262.7590


 25.0426, 14.7251,
11.9853


 69.2207, 48.6858,
43.7425


 16.2377, 8.6267,
6.6113


 91.0856, 66.5091,
60.9350

 9.7844, 4.4985,
3.1455


 117.1290, 88.2246,
82.1284

 5.3174, 1.9561,
1.1694

 147.7162,
114.2167, 107.7414

 2.4713, 0.5818,
0.0000

183.2125,
144.8698, 138.1924

 0.8808, 0.0000,
0.0000

223.9832,

 0.0000, 0.0000,

180.5682, 173.9000

0.0000

270.3938,
221.6965, 215.2827

■ 36.5645, 23.1782,
19.6862

■ 36.5645, 23.1782,
19.6862

■ 34.1985, 19.8988,
14.4196

■ 39.6539, 27.6223,
26.0644

■ 32.4911, 17.6694,
10.1965

■ 43.5202, 33.3240,
33.6141

■ 31.3684, 16.3582,
6.9421

■ 48.2137, 40.3712,
42.3921

■ 30.8062, 15.8024,
5.0017

■ 53.7800, 48.8427,
52.4509

■ 60.2611, 58.8113,
63.8400

■ 67.6963, 70.3448,
76.6063

■ 76.1228, 83.5067,
90.7941

■ 83.4312, 94.0684,
105.7313

■ 83.9341, 94.2695,
108.3798

Harmonies

Analogous

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



35.7592, 23.1782, 39.5115



36.5645, 23.1782, 19.6862



32.9355, 23.1782, 8.7008

Triad

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



36.5645, 23.1782, 19.6862



15.0375, 23.1782, 6.6589



18.0383, 23.1782, 75.0561

Complementary

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



36.5645, 23.1782, 19.6862



38.8559, 57.7587, 56.6816

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.



13.8447, 23.1782, 55.2929



36.5645, 23.1782, 19.6862



12.3599, 23.1782, 14.8959

Square

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



36.5645, 23.1782, 19.6862



19.9955, 23.1782, 3.9746



11.9704, 23.1782, 31.7442



24.1984, 23.1782, 78.5364

Rectangle

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



36.5645, 23.1782, 19.6862



28.8383, 23.1782, 5.3581



11.9704, 23.1782, 31.7442



16.3879, 23.1782, 69.7617

Sweetspot

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



36.5651, 23.1795, 19.6866



76.1624, 70.7553, 76.3059



36.9722, 22.2440, 71.4519



15.7815, 14.3468, 15.4098



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.



36.5651, 23.1795, 19.6866



45.9210, 26.0433, 17.6057



38.2628, 29.2461, 12.0175



13.8450, 13.7556, 14.9540



18.3356, 9.4012, 3.1669



1.3062, 0.6658, 0.4054

Inverse Universe

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



36.5651, 23.1795, 19.6866



45.9210, 26.0433, 17.6057



34.7186, 42.9130, 75.5602



13.8450, 13.7556, 14.9540



18.3356, 9.4012, 3.1669



1.3062, 0.6658, 0.4054

Previews

White Background



This preview shows how the XYZ color 36.5645, 23.1782, 19.6862 looks on a white background.

Color Contrast Check

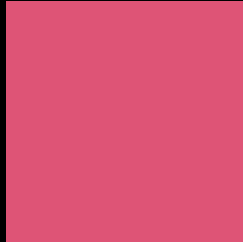
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5645, 23.1782, 19.6862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

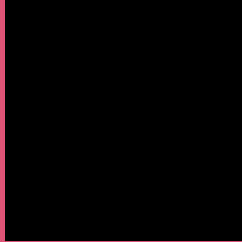
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.5645, 23.1782, 19.6862

Background



This preview shows how black text looks on a background with the XYZ color 36.5645, 23.1782, 19.6862.



This preview shows how white text looks on a background with the XYZ color 36.5645, 23.1782,

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

36.5645, 23.1782, 19.6862

Protanopia

22.8010, 23.4217, 29.7046

Deuteranopia

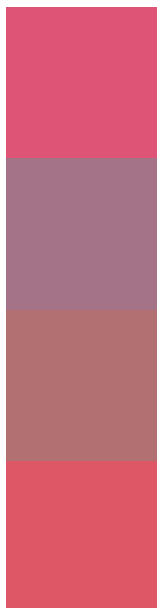
23.7253, 23.3583, 18.2971



Tritanopia

35.1080, 23.1686, 13.2113

Trichromacy



Original Color

36.5645, 23.1782, 19.6862

Protanomaly

26.0210, 22.0101, 25.7986

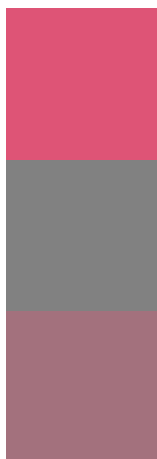
Deuteranomaly

27.1915, 22.2682, 18.7846

Tritanomaly

35.6752, 23.1678, 15.4235

Monochromacy



Original Color

36.5645, 23.1782, 19.6862

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.7111, 21.0775, 22.1680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5645, 23.1782, 19.6862 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(222, 84, 118)` looks like.

```
.text, #text, p{  
    color:rgb(222, 84, 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(222, 84, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 84, 118) }
```

Border

The CSS property to change the border of an element to XYZ 36.5645, 23.1782, 19.6862 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(222, 84, 118) }
```


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

```
.border{ border-color:rgb(222, 84, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 84, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 84, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 84, 118);  
box-shadow:4px 4px 4px 4px rgb(222, 84,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5645, 23.1782, 19.6862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 84, 118) }
```

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

```
.background{ background-color: rgb(222, 84,  
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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