

Converting Colors

XYZ(34.9625, 15.4445, 23.2448)

Have a look what the booklet for
XYZ(34.9625, 15.4445, 23.2448)
contains.

XYZ(36.5467, 18.3515, 23.8063)	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(36.5467, 18.3515,
23.8063)**

Conversions

Conversions Part 1

Format	Color
Hex	E50085
RGB	229, 0, 133
RGB Percent	90%, 0%, 52%
CMY	0.1020, 0.9998, 0.4784
CMYK	0.00, 1.00, 0.42, 0.10
HSL	325°, 100%, 45%
HSV	325°, 100%, 90%
XYZ	36.5467, 18.3515, 23.8063
YIQ	83.6330, 93.7910, 89.9110

Conversions

Conversions Part 2

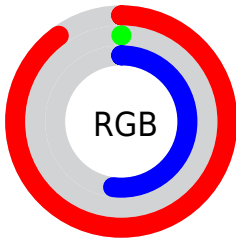
Format	Color
R_{YB}	229, 0, 133
Decimal	15007877
CIE _{Lab}	49.92, 79.45, -6.83
CIE _{LCh}	50, 79.742, 355.085
Yxy	18.3515, 0.4644, 0.2332
Android (android.graphics.Color)	4293197957 (0xFFE50085)
YUV	83.6330, 24.3379, 127.4869
Hunter-Lab	42.8387, 77.3151, -2.9616

Details

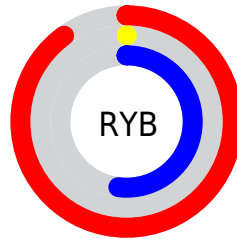
The XYZ color **36.5467, 18.3515, 23.8063** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **30.1336, 56.8842, 20.4705**, and the grayscale version is **8.2955, 8.7275, 9.5043**.

A 20% lighter version of the original color is **54.1056, 32.8106, 49.9358**, and **17.5366, 8.8556, 9.1725** is the 20% darker color. If you saturate the color by 10%, you get **36.5451, 18.3508, 23.7983**, and if you desaturate by 10%, it is **37.5463, 19.2400, 27.5638**.

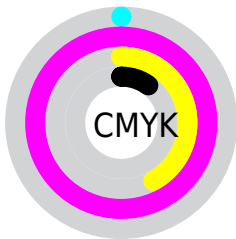
Distribution



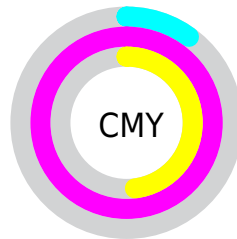
- Red (90%)
- Green (0%)
- Blue (52%)



- Red (90%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5467, 18.3515, 23.8063 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 36.5467, 18.3515, 23.8063 by changing the saturation by 10% instead.

 36.5467, 18.3515,
23.8063

 36.5467, 18.3515,
23.8063

322.7335,
242.8449, 285.0947


 25.0288, 11.2026,
14.9791


 69.1934, 40.6354,
50.6538


 16.2273, 6.2033,
8.6583


 91.0529, 56.5392,
69.5112


 9.7770, 2.9691,
4.4252


 117.0904, 76.1301,
92.5491

 5.3125, 1.1156,
1.8614

 147.6710, 99.7925,
120.1860

 2.4684, 0.0000,
0.4680

 183.1603,
127.9107, 152.8404

 0.8793, 0.0000,
0.0000

 223.9236,

 0.0000, 0.0000,

160.8693, 190.9310

0.0000

270.3262,
199.0526, 234.8763

■ 36.5467, 18.3515,
23.8063

■ 36.5467, 18.3515,
23.8063

■ 36.5451, 18.3508,
23.7983

■ 37.5463, 19.2400,
27.5638

■ 38.9685, 20.8742,
31.7690

■ 40.9304, 23.4856,
36.4684

■ 43.4999, 27.2081,
41.6918

■ 46.7345, 32.1543,
47.4653

■ 50.6846, 38.4228,
53.8123

■ 55.3955, 46.1022,
60.7546

■ 60.9088, 55.2733,
68.3122

■ 67.2626, 66.0107,
76.5041

Harmonies

Analogous

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



32.4686, 18.3515, 55.0157



36.5467, 18.3515, 23.8063



34.4102, 18.3515, 6.9287

Triad

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



36.5467, 18.3515, 23.8063



11.9279, 18.3515, 0.9681



10.3149, 18.3515, 78.1166

Complementary

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



36.5467, 18.3515, 23.8063



30.1336, 56.8842, 20.4705

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.



7.2363, 18.3515, 43.6426



36.5467, 18.3515, 23.8063



7.9590, 18.3515, 4.2820

Square

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



36.5467, 18.3515, 23.8063



18.7313, 18.3515, 0.4628



6.5208, 18.3515, 16.5903



16.2143, 18.3515, 98.0034

Rectangle

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



36.5467, 18.3515, 23.8063



30.0018, 18.3515, 2.5452



6.5208, 18.3515, 16.5903



8.9926, 18.3515, 67.0145

Sweetspot

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



36.5472, 18.3526, 23.8066



70.5690, 58.6237, 77.3537



18.9093, 8.1152, 74.6982



14.5346, 11.6131, 15.7338



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.



36.5472, 18.3526, 23.8066



46.5913, 23.4005, 30.1098



32.4322, 16.7066, 2.1373



14.7262, 14.5077, 16.7584



20.9562, 10.5167, 13.9300



1.5947, 0.7956, 1.2722

Inverse Universe

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



36.5472, 18.3526, 23.8066



46.5913, 23.4005, 30.1098



39.6429, 60.6880, 70.5456



14.7262, 14.5077, 16.7584



20.9562, 10.5167, 13.9300



1.5947, 0.7956, 1.2722

Previews

White Background



This preview shows how the XYZ color 36.5467, 18.3515, 23.8063 looks on a white background.

Color Contrast Check

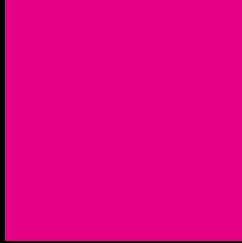
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5467, 18.3515, 23.8063 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 36.5467, 18.3515, 23.8063

Background



This preview shows how black text looks on a background with the XYZ color 36.5467, 18.3515, 23.8063.



This preview shows how white text looks on a background with the XYZ color 36.5467, 18.3515,

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

36.5467, 18.3515, 23.8063

Protanopia

20.3966, 19.0456, 51.8914

Deuteranopia

19.2965, 18.9779, 21.3850



Tritanopia

32.9903, 18.8201, 5.3839

Trichromacy



Original Color

36.5467, 18.3515, 23.8063



Protanomaly

20.9271, 13.6852, 39.5687



Deuteranomaly

22.2159, 14.6454, 21.7346



Tritanomaly

33.4974, 17.9373, 9.8804

Monochromacy



Original Color

36.5467, 18.3515, 23.8063



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.9879, 8.8239, 13.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5467, 18.3515, 23.8063 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(229, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 133)  
}
```

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(229, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 133) }
```

Border

The CSS property to change the border of an element to XYZ 36.5467, 18.3515, 23.8063 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(229, 0, 133) }
```


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

```
.border{ border-color:rgb(229, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5467, 18.3515, 23.8063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 133) }
```

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

```
.background{ background-color: rgb(229, 0,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor