

Converting Colors

XYZ(36.4915, 18.1620, 31.0752)

Have a look what the booklet for
XYZ(36.4915, 18.1620, 31.0752)
contains.

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Color

**XYZ(36.4080, 18.1143,
31.2833)**

Conversions

Conversions Part 1

Format	Color
Hex	E00098
RGB	224, 0, 152
RGB Percent	88%, 0%, 60%
CMY	0.1216, 0.9998, 0.4039
CMYK	0.00, 1.00, 0.32, 0.12
HSL	319°, 100%, 44%
HSV	319°, 100%, 88%
XYZ	36.4080, 18.1143, 31.2833
YIQ	84.3040, 84.7120, 94.7600

Conversions

Conversions Part 2

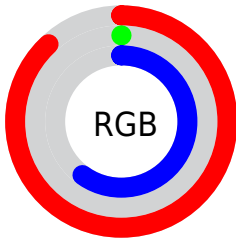
Format	Color
R_YB	224, 0, 152
Decimal	14680216
CIE _{Lab}	49.63, 80.22, -18.81
CIE _{LCh}	50, 82.393, 346.804
Yxy	18.1143, 0.4243, 0.2111
Android (android.graphics.Color)	4292870296 (0xFFE00098)
YUV	84.3040, 33.3741, 122.5134
Hunter-Lab	42.5609, 78.2132, -13.7870

Details

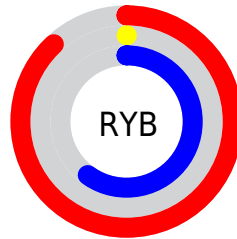
The XYZ color **36.4080, 18.1143, 31.2833** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **27.8274, 53.7802, 15.0524**, and the grayscale version is **8.4157, 8.8539, 9.6419**.

A 20% lighter version of the original color is **56.3833, 33.7216, 61.9297**, and **17.4532, 8.7261, 13.0763** is the 20% darker color. If you saturate the color by 10%, you get **36.4069, 18.1139, 31.2773**, and if you desaturate by 10%, it is **37.3116, 18.9485, 34.5837**.

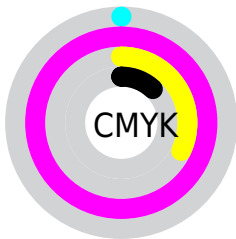
Distribution



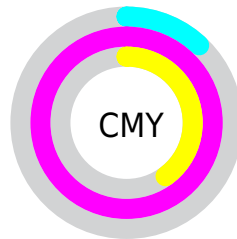
- Red (88%)
- Green (0%)
- Blue (60%)



- Red (88%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4080, 18.1143, 31.2833 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 36.4080, 18.1143, 31.2833 by changing the saturation by 10% instead.

 36.4080, 18.1143,
31.2833


 36.4080, 18.1143,
31.2833


322.1406,
241.5145, 322.2329


 24.9210, 11.0321,
20.5544


 68.9811, 40.2320,
62.7706


 16.1466, 6.0884,
12.6106


 90.7979, 56.0363,
84.3661


 9.7195, 2.8989,
7.0334


 116.7888, 75.5167,
110.4209

 5.2742, 1.0792,
3.4042

 147.3190, 99.0576,
141.3535

 2.4454, 0.0000,
1.3046

 182.7539,
127.0434, 177.5824

 0.8678, 0.0000,
0.0655

 223.4589,

 0.0000, 0.0000,

159.8586, 219.5263

0.0000

269.7994,
197.8875, 267.6036

■ 36.4080, 18.1143,
31.2833

■ 36.4080, 18.1143,
31.2833

■ 36.4069, 18.1139,
31.2773

■ 37.3116, 18.9485,
34.5837

■ 38.5930, 20.4803,
38.1896

■ 40.3638, 22.9314,
42.1414

■ 42.6874, 26.4281,
46.4631

■ 45.6175, 31.0767,
51.1753

■ 49.2012, 36.9703,
56.2965

■ 53.4806, 44.1925,
61.8434

■ 58.4943, 52.8195,
67.8317

■ 64.2779, 62.9219,
74.2756

Harmonies

Analogous

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



30.6768, 18.1143, 66.3508



36.4080, 18.1143, 31.2833



36.0056, 18.1143, 9.7062

Triad

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



36.4080, 18.1143, 31.2833



13.2241, 18.1143, 0.4685



8.8366, 18.1143, 70.7511

Complementary

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



36.4080, 18.1143, 31.2833



27.8274, 53.7802, 15.0524

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.



6.4584, 18.1143, 34.9839



36.4080, 18.1143, 31.2833



8.4142, 18.1143, 2.4895

Square

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



36.4080, 18.1143, 31.2833



20.8845, 18.1143, 0.3746



6.3317, 18.1143, 11.4328



14.0063, 18.1143, 98.4260

Rectangle

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



36.4080, 18.1143, 31.2833



32.2888, 18.1143, 3.5349



6.3317, 18.1143, 11.4328



7.7628, 18.1143, 58.4274

Sweetspot

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



36.4086, 18.1153, 31.2836



71.6001, 59.0361, 82.7835



16.0509, 6.7210, 70.9725



14.7805, 11.7114, 17.0287



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.



36.4086, 18.1153, 31.2836



48.7847, 24.2779, 41.6600



31.1431, 16.0091, 3.5559



14.0978, 13.8567, 16.2849



21.2461, 10.5654, 18.4933



1.5130, 0.7485, 1.4943

Inverse Universe

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



36.4086, 18.1153, 31.2836



48.7847, 24.2779, 41.6600



35.1975, 56.7282, 53.8625



14.0978, 13.8567, 16.2849



21.2461, 10.5654, 18.4933



1.5130, 0.7485, 1.4943

Previews

White Background



This preview shows how the XYZ color 36.4080, 18.1143, 31.2833 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 36.4080, 18.1143, 31.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

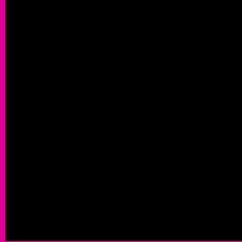
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4080, 18.1143, 31.2833

Background



This preview shows how black text looks on a background with the XYZ color 36.4080, 18.1143, 31.2833.



This preview shows how white text looks on a background with the XYZ color 36.4080, 18.1143,

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

36.4080, 18.1143, 31.2833

Protanopia

21.4842, 19.0719, 68.1946

Deuteranopia

19.1289, 18.7405, 28.2003



Tritanopia

31.3988, 18.4849, 6.4705

Trichromacy



Original Color

36.4080, 18.1143, 31.2833



Protanomaly

20.8268, 13.2598, 51.9138



Deuteranomaly

21.7376, 14.2420, 28.7974



Tritanomaly

32.2739, 17.4281, 12.4894

Monochromacy



Original Color

36.4080, 18.1143, 31.2833



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.0251, 8.8012, 15.4276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4080, 18.1143, 31.2833 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(224, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 152)  
}
```

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(224, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 36.4080, 18.1143, 31.2833 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(224, 0, 152) }
```


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

```
.border{ border-color:rgb(224, 0, 152) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4080, 18.1143, 31.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 152) }
```

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

```
.background{ background-color: rgb(224, 0,  
152) }
```

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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