

Converting Colors

XYZ(31.4776, 17.6708, 16.6530)

Have a look what the booklet for
XYZ(31.4776, 17.6708, 16.6530)
contains.

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Color

**XYZ(31.4936, 17.6615,
16.7880)**

Conversions

Conversions Part 1

Format	Color
Hex	D5336F
RGB	213, 51, 111
RGB Percent	84%, 20%, 44%
CMY	0.1647, 0.8000, 0.5647
CMYK	0.00, 0.76, 0.48, 0.16
HSL	338°, 66%, 52%
HSV	338°, 76%, 84%
XYZ	31.4936, 17.6615, 16.7880
YIQ	106.2780, 77.2920, 53.0040

Conversions

Conversions Part 2

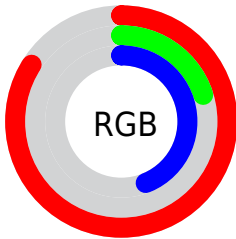
Format	Color
R_{YB}	213, 51, 111
Decimal	13972335
CIE _{Lab}	49.08, 65.46, 4.97
CIE _{LCh}	49, 65.649, 4.339
Yxy	17.6615, 0.4776, 0.2678
Android (android.graphics.Color)	4292162415 (0xFFD5336F)
YUV	106.2780, 2.3279, 93.5952
Hunter-Lab	42.0256, 60.2215, 5.7333

Details

The XYZ color **31.4936, 17.6615, 16.7880** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **30.9107, 50.5927, 38.2783**, and the grayscale version is **13.7562, 14.4726, 15.7607**.

A 20% lighter version of the original color is **53.5558, 35.4570, 38.2036**, and **13.8743, 7.0456, 5.4792** is the 20% darker color. If you saturate the color by 10%, you get **30.0827, 15.9342, 12.9437**, and if you desaturate by 10%, it is **33.4423, 20.2870, 21.3590**.

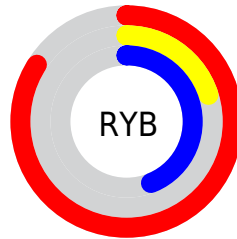
Distribution



Red (84%)

Green (20%)

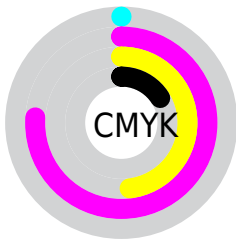
Blue (44%)



Red (84%)

Yellow (20%)

Blue (44%)

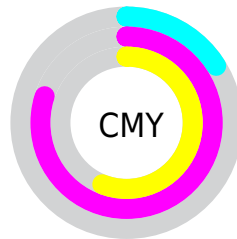


Cyan (0%)

Magenta (76%)

Yellow (48%)

Black (16%)



Cyan (16%)


Magenta (80%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4936, 17.6615, 16.7880 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 31.4936, 17.6615, 16.7880 by changing the saturation by 10% instead.


 31.4936, 17.6615,
16.7880


 31.4936, 17.6615,
16.7880

300.5924,
238.9561, 245.9502


 21.1287, 10.7072,
9.9231


 61.3869, 39.4597,
38.7466


 13.3311, 5.8703,
5.2431


 81.6460, 55.0724,
54.6773

 7.7355, 2.7664,
2.3293


 105.9339, 74.3400,
74.4671

 3.9765, 1.0110,
0.7476

 134.6159, 97.6470,
98.5344

 1.6889, 0.0000,
0.0000

 168.0574,
125.3777, 127.2978

 0.4493, 0.0000,
0.0000

206.6238,

 0.0000, 0.0000,

157.9165, 161.1759

0.0000

250.6803,
195.6479, 200.5872

■ 31.4936, 17.6615,
16.7880

■ 31.4936, 17.6615,
16.7880

■ 30.0827, 15.9342,
12.9437

■ 33.4423, 20.2870,
21.3590

■ 29.1389, 14.9715,
9.7777

■ 35.9835, 23.9126,
26.6972

■ 28.8473, 14.7088,
8.6927

■ 39.1663, 28.6296,
32.8407

■ 43.0341, 34.5181,
39.8243

■ 47.6262, 41.6505,
47.6805

■ 52.9790, 50.0934,
56.4400

■ 59.1262, 59.9088,
66.1319

■ 66.0996, 71.1543,
76.7837

■ 73.9290, 83.8847,
88.4221

Harmonies

Analogous

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



29.8079, 17.6615, 37.8620



31.4936, 17.6615, 16.7880



28.5194, 17.6615, 5.7833

Triad

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



31.4936, 17.6615, 16.7880



10.9778, 17.6615, 2.6562



12.1830, 17.6615, 68.5171

Complementary

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



31.4936, 17.6615, 16.7880



30.9107, 50.5927, 38.2783

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.



8.8148, 17.6615, 45.2441



31.4936, 17.6615, 16.7880



8.2471, 17.6615, 8.0046

Square

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



31.4936, 17.6615, 16.7880



15.9107, 17.6615, 1.3907



7.5642, 17.6615, 21.8988



17.6943, 17.6615, 76.3368

Rectangle

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



31.4936, 17.6615, 16.7880



24.6373, 17.6615, 2.7773



7.5642, 17.6615, 21.8988



10.8109, 17.6615, 61.7538

Sweetspot

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



31.4941, 17.6625, 16.7883



73.7230, 65.9635, 75.2240



25.9393, 13.7430, 64.2360



15.1878, 13.1905, 15.1157



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.



31.4941, 17.6625, 16.7883



44.2995, 22.9724, 16.5345



30.2228, 18.7544, 5.1604



12.6115, 12.4961, 13.8945



17.6667, 9.0030, 5.5489



1.1049, 0.5588, 0.5419

Inverse Universe

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



31.4941, 17.6625, 16.7883



44.2995, 22.9724, 16.5345



32.6903, 44.1368, 69.7468



12.6115, 12.4961, 13.8945



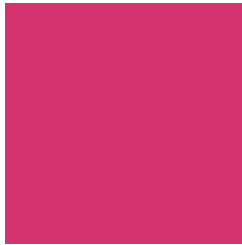
17.6667, 9.0030, 5.5489



1.1049, 0.5588, 0.5419

Previews

White Background



This preview shows how the XYZ color 31.4936, 17.6615, 16.7880 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 31.4936, 17.6615, 16.7880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

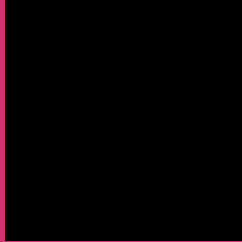
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4936, 17.6615, 16.7880

Background



This preview shows how black text looks on a background with the XYZ color 31.4936, 17.6615, 16.7880.



This preview shows how white text looks on a background with the XYZ color 31.4936, 17.6615,

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

31.4936, 17.6615, 16.7880

Protanopia

18.0211, 17.9439, 30.5307

Deuteranopia

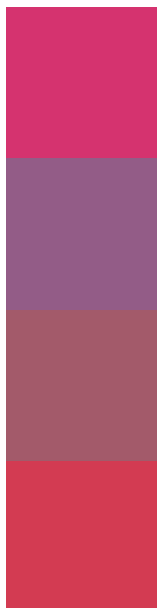
18.1848, 17.8579, 15.3204



Tritanopia

29.3392, 17.6500, 7.0147

Trichromacy



Original Color

31.4936, 17.6615, 16.7880

Protanomaly

20.2329, 15.6066, 24.8677

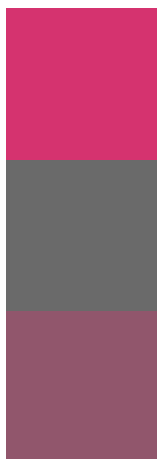
Deuteranomaly

21.3619, 16.1395, 15.6250

Tritanomaly

29.9509, 17.5860, 9.7985

Monochromacy



Original Color

31.4936, 17.6615, 16.7880

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.7116, 13.7580, 15.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4936, 17.6615, 16.7880 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(213, 51, 111)` looks like.

```
.text, #text, p{  
    color:rgb(213, 51, 111)  
}
```

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(213, 51, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 51, 111) }
```

Border

The CSS property to change the border of an element to XYZ 31.4936, 17.6615, 16.7880 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(213, 51, 111) }
```


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

```
.border{ border-color:rgb(213, 51, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 51, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 51, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 51, 111);  
box-shadow:4px 4px 4px 4px rgb(213, 51,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4936, 17.6615, 16.7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 51, 111) }
```

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

```
.background{ background-color: rgb(213, 51,  
111) }
```

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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