

Converting Colors

XYZ(33.6441, 18.3434, 17.0966)

Have a look what the booklet for
XYZ(33.6441, 18.3434, 17.0966)
contains.

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Color

**XYZ(33.6441, 18.3434,
17.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	DD2C70
RGB	221, 44, 112
RGB Percent	87%, 17%, 44%
CMY	0.1333, 0.8274, 0.5608
CMYK	0.00, 0.80, 0.49, 0.13
HSL	337°, 72%, 52%
HSV	337°, 80%, 87%
XYZ	33.6441, 18.3434, 17.0966
YIQ	104.6750, 83.6640, 58.6720

Conversions

Conversions Part 2

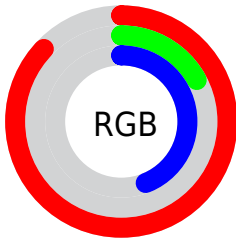
Format	Color
RYB	221, 44, 112
Decimal	14494832
CIELab	49.91, 69.60, 5.74
CIElCh	50, 69.835, 4.715
Yxy	18.3434, 0.4870, 0.2655
Android (android.graphics.Color)	4292684912 (0xFFDD2C70)
YUV	104.6750, 3.6112, 102.0170
Hunter-Lab	42.8292, 65.2680, 6.3130

Details

The XYZ color **33.6441, 18.3434, 17.0966** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **32.6467, 54.5489, 38.9517**, and the grayscale version is **13.3161, 14.0095, 15.2564**.

A 20% lighter version of the original color is **53.2134, 34.6295, 38.5298**, and **15.4513, 7.8552, 5.7029** is the 20% darker color. If you saturate the color by 10%, you get **32.3270, 16.8319, 13.1970**, and if you desaturate by 10%, it is **35.5145, 20.7783, 21.7461**.

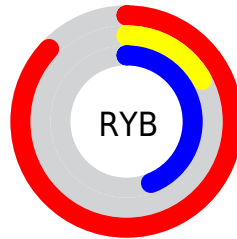
Distribution



Red (87%)

Green (17%)

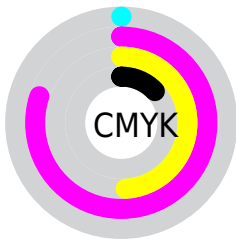
Blue (44%)



Red (87%)

Yellow (17%)

Blue (44%)

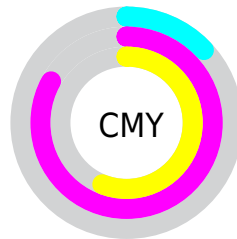


Cyan (0%)

Magenta (80%)

Yellow (49%)

Black (13%)



Cyan (13%)


Magenta (83%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6441, 18.3434, 17.0966 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 33.6441, 18.3434, 17.0966 by changing the saturation by 10% instead.

 33.6441, 18.3434,
17.0966


 33.6441, 18.3434,
17.0966

310.1561,
242.7996, 247.7912


 22.7819, 11.1968,
10.1407


 64.7278, 40.6216,
39.2847


 14.5524, 6.1994,
5.3855


 85.6800, 56.5220,
55.3540


 8.5901, 2.9667,
2.4125


 110.7263, 76.1091,
75.2982

 4.5298, 1.1144,
0.7933

 140.2320, 99.7674,
99.5358

 2.0060, 0.0000,
0.0000

 174.5625,
127.8812, 128.4854

 0.6373, 0.0000,
0.0000

214.0831,

 0.0000, 0.0000,

160.8349, 162.5654

0.0000

259.1592,
199.0129, 202.1945

■ 33.6441, 18.3434,
17.0966

■ 33.6441, 18.3434,
17.0966

■ 32.3270, 16.8319,
13.1970

■ 35.5145, 20.7783,
21.7461


■ 31.4541, 16.0263,
10.0075


■ 38.0025, 24.2575,
27.1903


■ 41.1646, 28.8865,
33.4705


■ 45.0500, 34.7569,
40.6242

■ 49.7032, 41.9512,
48.6865

 55.1649, 50.5445,
57.6902

 61.4728, 60.6064,
67.6663

 68.6623, 72.2018,
78.6444

 76.7666, 85.3915,
90.6527

Harmonies

Analogous

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



31.8356, 18.3434, 40.1901



33.6441, 18.3434, 17.0966



30.2828, 18.3434, 5.4857

Triad

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



33.6441, 18.3434, 17.0966



11.0900, 18.3434, 2.4203



12.4996, 18.3434, 75.1941

Complementary

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



33.6441, 18.3434, 17.0966



32.6467, 54.5489, 38.9517

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.



8.8579, 18.3434, 49.1377



33.6441, 18.3434, 17.0966



8.2019, 18.3434, 8.0122

Square

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



33.6441, 18.3434, 17.0966



16.3993, 18.3434, 1.1625



7.5039, 18.3434, 23.1548



18.5131, 18.3434, 83.7347

Rectangle

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



33.6441, 18.3434, 17.0966



25.9663, 18.3434, 2.4721



7.5039, 18.3434, 23.1548



11.0126, 18.3434, 67.6295

Sweetspot

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



33.6446, 18.3445, 17.0969



73.0519, 64.7804, 74.5100



26.5680, 13.5265, 69.6169



15.0635, 12.9661, 15.0002



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.



33.6446, 18.3445, 17.0969



43.8614, 22.4857, 15.1878



31.9807, 18.9683, 4.3601



13.2620, 13.1339, 14.6410



18.3236, 9.3305, 6.0840



1.2284, 0.6210, 0.6117

Inverse Universe

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



33.6446, 18.3445, 17.0969



43.8614, 22.4857, 15.1878



35.5176, 48.6105, 75.9171



13.2620, 13.1339, 14.6410



18.3236, 9.3305, 6.0840



1.2284, 0.6210, 0.6117

Previews

White Background



This preview shows how the XYZ color 33.6441, 18.3434, 17.0966 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 33.6441, 18.3434, 17.0966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

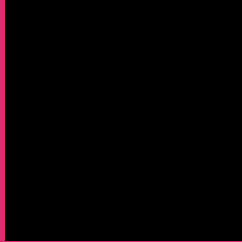
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6441, 18.3434, 17.0966

Background



This preview shows how black text looks on a background with the XYZ color 33.6441, 18.3434, 17.0966.



This preview shows how white text looks on a background with the XYZ color 33.6441, 18.3434,

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

33.6441, 18.3434, 17.0966

Protanopia

18.7837, 18.6363, 32.7441

Deuteranopia

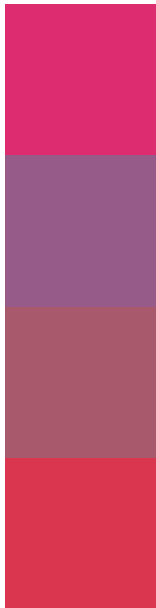
18.9460, 18.5793, 15.6843



Tritanopia

31.3197, 18.3703, 6.3100

Trichromacy



Original Color

33.6441, 18.3434, 17.0966

Protanomaly

21.0910, 15.8965, 26.0015

Deuteranomaly

22.3747, 16.5311, 15.9215

Tritanomaly

31.9806, 18.2776, 9.4318

Monochromacy



Original Color

33.6441, 18.3434, 17.0966

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.8327, 13.4723, 15.8479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6441, 18.3434, 17.0966 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, 44, 112)` looks like.

```
.text, #text, p{  
    color:rgb(221, 44, 112)  
}
```

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, 44, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 44, 112) }
```

Border

The CSS property to change the border of an element to XYZ 33.6441, 18.3434, 17.0966 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, 44, 112) }
```


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

```
.border{ border-color:rgb(221, 44, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 44, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 44, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 44, 112);  
box-shadow:4px 4px 4px 4px rgb(221, 44,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6441, 18.3434, 17.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 44, 112) }
```

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

```
.background{ background-color: rgb(221, 44,  
112) }
```

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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