

Converting Colors

XYZ(33.6440, 19.0160, 17.5270)

Have a look what the booklet for
XYZ(33.6440, 19.0160, 17.5270)
contains.

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Color

**XYZ(33.5602, 18.9847,
17.5184)**

Conversions

Conversions Part 1

Format	Color
Hex	DB3771
RGB	219, 55, 113
RGB Percent	86%, 22%, 44%
CMY	0.1412, 0.7843, 0.5569
CMYK	0.00, 0.75, 0.48, 0.14
HSL	339°, 69%, 54%
HSV	339°, 75%, 86%
XYZ	33.5602, 18.9847, 17.5184
YIQ	110.6480, 79.1260, 52.8060

Conversions

Conversions Part 2

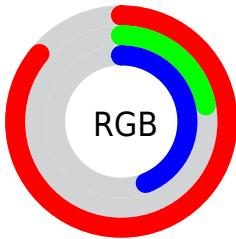
Format	Color
R_{YB}	219, 55, 113
Decimal	14366577
CIE _{Lab}	50.67, 66.03, 6.17
CIE _{LCh}	51, 66.319, 5.337
Yxy	18.9847, 0.4790, 0.2710
Android (android.graphics.Color)	4292556657 (0xFFDB3771)
YUV	110.6480, 1.1595, 95.0247
Hunter-Lab	43.5714, 61.2368, 6.6618

Details

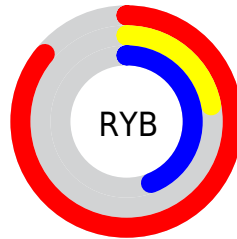
The XYZ color **33.5602, 18.9847, 17.5184** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **33.3416, 54.0490, 42.3985**, and the grayscale version is **14.9897, 15.7704, 17.1739**.

A 20% lighter version of the original color is **54.2769, 36.4674, 39.7755**, and **15.0839, 7.6624, 5.8382** is the 20% darker color. If you saturate the color by 10%, you get **32.0050, 17.0518, 13.3700**, and if you desaturate by 10%, it is **35.7020, 21.8918, 22.4760**.

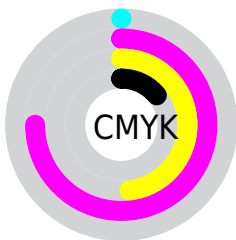
Distribution



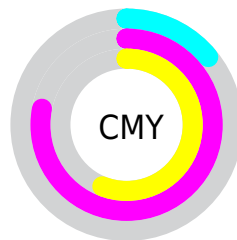
- Red (86%)
- Green (22%)
- Blue (44%)



- Red (86%)
- Yellow (22%)
- Blue (44%)



- Cyan (0%)
- Magenta (75%)
- Yellow (48%)
- Black (14%)



- Cyan (14%)
- Magenta (78%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5602, 18.9847, 17.5184 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 33.5602, 18.9847, 17.5184 by changing the saturation by 10% instead.

■ 33.5602, 18.9847,
17.5184

■ 33.5602, 18.9847,
17.5184

309.7871,
246.3643, 250.2866

■ 22.7172, 11.6592,
10.4389

■ 64.5980, 41.7082,
40.0178

■ 14.5044, 6.5121,
5.5815

■ 85.5235, 57.8751,
56.2747

■ 8.5563, 3.1589,
2.5277

■ 110.5406, 77.7579,
76.4279

■ 4.5077, 1.2152,
0.8548

■ 140.0147,
101.7410, 100.8959

■ 1.9932, 0.0741,
0.0000

■ 174.3110,
130.2087, 130.0973

■ 0.6301, 0.0000,
0.0000

213.7949,

■ 0.0000, 0.0000,

163.5456, 164.4504

0.0000

258.8318,
202.1360, 204.3741

■ 33.5602, 18.9847,
17.5184

■ 33.5602, 18.9847,
17.5184

■ 32.0050, 17.0518,
13.3700

■ 35.7020, 21.8918,
22.4760

■ 30.9628, 15.9552,
9.9774


■ 38.4883, 25.8805,
28.2881


■ 30.5685, 15.6021,
8.5036


■ 41.9715, 31.0471,
34.9973


■ 46.1977, 37.4766,
42.6427

■ 51.2091, 45.2459,
51.2606

 57.0446, 54.4258,
60.8856

 63.7404, 65.0820,
71.5502

 71.3304, 77.2761,
83.2855

 79.8468, 91.0662,
96.1212

Harmonies

Analogous

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



31.9453, 18.9847, 39.4833



33.5602, 18.9847, 17.5184



30.2746, 18.9847, 6.1146

Triad

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



33.5602, 18.9847, 17.5184



11.7402, 18.9847, 3.0661



13.3173, 18.9847, 73.2140

Complementary

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



33.5602, 18.9847, 17.5184



33.3416, 54.0490, 42.3985

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.



9.6514, 18.9847, 49.0389



33.5602, 18.9847, 17.5184



8.9057, 18.9847, 9.0474

Square

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



33.5602, 18.9847, 17.5184



16.9071, 18.9847, 1.5930



8.2449, 18.9847, 24.1810



19.2316, 18.9847, 80.6772

Rectangle

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



33.5602, 18.9847, 17.5184



26.1230, 18.9847, 2.9988



8.2449, 18.9847, 24.1810



11.8309, 18.9847, 66.2741

Sweetspot

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



33.5607, 18.9858, 17.5187



74.3921, 67.1615, 75.8796



28.4253, 15.2057, 68.4543



15.4662, 13.6604, 15.4770



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.



33.5607, 18.9858, 17.5187



44.2341, 23.0311, 15.9289



32.5484, 20.6265, 5.8818



13.2453, 13.1272, 14.5528



18.1730, 9.2703, 5.2913



1.2175, 0.6166, 0.5542

Inverse Universe

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



33.5607, 18.9858, 17.5187



44.2341, 23.0311, 15.9289



34.3591, 45.9206, 74.0702



13.2453, 13.1272, 14.5528



18.1730, 9.2703, 5.2913



1.2175, 0.6166, 0.5542

Previews

White Background



This preview shows how the XYZ color 33.5602, 18.9847, 17.5184 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 33.5602, 18.9847, 17.5184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

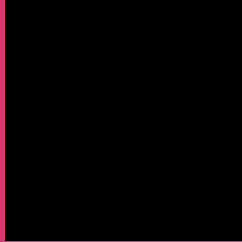
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5602, 18.9847, 17.5184

Background



This preview shows how black text looks on a background with the XYZ color 33.5602, 18.9847, 17.5184.



This preview shows how white text looks on a background with the XYZ color 33.5602, 18.9847,

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

33.5602, 18.9847, 17.5184

Protanopia

19.1609, 19.2124, 31.5526

Deuteranopia

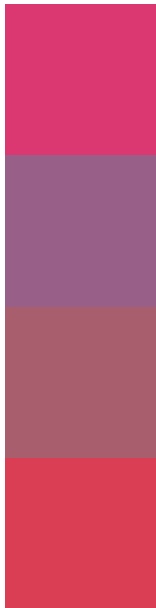
19.5586, 19.2315, 16.0458



Tritanopia

31.6377, 19.0778, 7.6451

Trichromacy



Original Color

33.5602, 18.9847, 17.5184

Protanomaly

21.6471, 16.8473, 25.7778

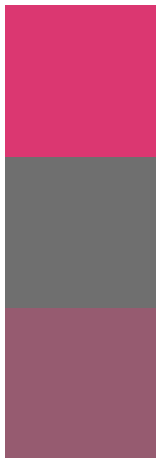
Deuteranomaly

22.8579, 17.4129, 16.3436

Tritanomaly

32.2758, 19.0066, 10.5618

Monochromacy



Original Color

33.5602, 18.9847, 17.5184

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

19.2434, 15.1361, 17.2365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5602, 18.9847, 17.5184 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(219, 55, 113)` looks like.

```
.text, #text, p{  
  color:rgb(219, 55, 113)  
}
```

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(219, 55, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 55, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.5602, 18.9847, 17.5184 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(219, 55, 113) }
```


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

```
.border{ border-color:rgb(219, 55, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 55, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 55, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 55, 113);  
box-shadow:4px 4px 4px 4px rgb(219, 55,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5602, 18.9847, 17.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 55, 113) }
```

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

```
.background{ background-color: rgb(219, 55,  
113) }
```

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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