

Converting Colors

XYZ(33.8301, 18.4198, 13.2616)

Have a look what the booklet for
XYZ(33.8301, 18.4198, 13.2616)
contains.

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Color

**XYZ(33.7730, 18.3851,
13.3239)**

Conversions

Conversions Part 1

Format	Color
Hex	E02A62
RGB	224, 42, 98
RGB Percent	88%, 16%, 38%
CMY	0.1216, 0.8352, 0.6157
CMYK	0.00, 0.81, 0.56, 0.12
HSL	342°, 75%, 52%
HSV	342°, 81%, 88%
XYZ	33.7730, 18.3851, 13.3239
YIQ	102.8020, 90.4960, 56.0000

Conversions

Conversions Part 2

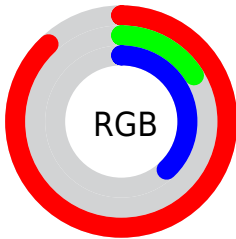
Format	Color
R_{YB}	224, 42, 98
Decimal	14690914
CIE _{Lab}	49.96, 69.83, 14.43
CIE _{LCh}	50, 71.310, 11.675
Yxy	18.3851, 0.5158, 0.2808
Android (android.graphics.Color)	4292880994 (0xFFE02A62)
YUV	102.8020, -2.3674, 106.2906
Hunter-Lab	42.8778, 65.5604, 11.5907

Details

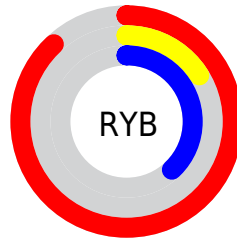
The XYZ color **33.7730, 18.3851, 13.3239** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **34.6804, 56.6313, 46.1568**, and the grayscale version is **12.8312, 13.4995, 14.7009**.

A 20% lighter version of the original color is **51.8430, 33.9135, 31.8305**, and **15.5201, 7.9293, 3.9613** is the 20% darker color. If you saturate the color by 10%, you get **32.5255, 16.9508, 9.6386**, and if you desaturate by 10%, it is **35.6067, 20.7650, 17.9049**.

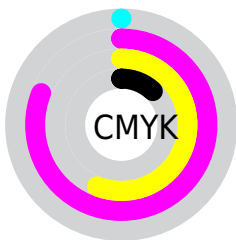
Distribution



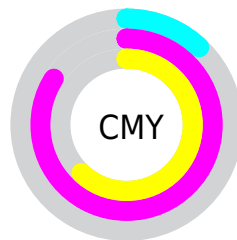
- Red (88%)
- Green (16%)
- Blue (38%)



- Red (88%)
- Yellow (16%)
- Blue (38%)



- Cyan (0%)
- Magenta (81%)
- Yellow (56%)
- Black (12%)





- Cyan (12%)
- Magenta (84%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7730, 18.3851, 13.3239 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 33.7730, 18.3851, 13.3239 by changing the saturation by 10% instead.


 33.7730, 18.3851,
13.3239


 33.7730, 18.3851,
13.3239


310.7224,
243.0328, 224.2634


 22.8813, 11.2268,
7.5186

 64.9271, 40.6924,
32.5841


 14.6261, 6.2196,
3.7052


 85.9203, 56.6103,
46.8762


 8.6420, 2.9791,
1.4650

 111.0114, 76.2168,
64.8342

 4.5637, 1.1208,
0.1917

 140.5657, 99.8963,
86.8768

 2.0257, 0.0000,
0.0000

 174.9486,
128.0333, 113.4225

 0.6483, 0.0000,
0.0000

214.5255,

 0.0000, 0.0000,

161.0121, 144.8898

0.0000

259.6616,
199.2171, 181.6973

■ 33.7730, 18.3851,
13.3239

■ 33.7730, 18.3851,
13.3239

■ 32.5255, 16.9508,
9.6386

■ 35.6067, 20.7650,
17.9049

■ 31.8116, 16.2757,
7.0803

■ 38.0973, 24.2195,
23.4422

■ 41.3066, 28.8606,
29.9910

■ 45.2880, 34.7854,
37.6018

■ 50.0902, 42.0806,
46.3213

■ 55.7575, 50.8256,
56.1933

■ 62.3308, 61.0935,
67.2592

■ 69.8486, 72.9525,
79.5582

■ 78.3470, 86.4666,
93.1276

Harmonies

Analogous

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



33.1642, 18.3851, 34.3452



33.7730, 18.3851, 13.3239



29.2504, 18.3851, 3.9682

Triad

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



33.7730, 18.3851, 13.3239



10.1088, 18.3851, 3.0081



13.6579, 18.3851, 81.2660

Complementary

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



33.7730, 18.3851, 13.3239



34.6804, 56.6313, 46.1568

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.



9.3784, 18.3851, 56.9466



33.7730, 18.3851, 13.3239



7.7286, 18.3851, 10.3595

Square

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



33.7730, 18.3851, 13.3239



14.9464, 18.3851, 1.1507



7.5017, 18.3851, 28.6465



20.2727, 18.3851, 84.1770

Rectangle

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



33.7730, 18.3851, 13.3239



24.4850, 18.3851, 1.8003



7.5017, 18.3851, 28.6465



11.9488, 18.3851, 74.8299

Sweetspot

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



33.7735, 18.3862, 13.3242



72.4502, 64.5398, 71.3417



30.0870, 15.1862, 71.8660



14.9210, 12.9090, 14.2496



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.



33.7735, 18.3862, 13.3242



42.9132, 22.0621, 10.3313



33.7005, 21.0984, 4.4883



13.8800, 13.7696, 15.1382



18.5620, 9.4918, 4.3595



1.3258, 0.6736, 0.5085

Inverse Universe

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



33.7735, 18.3862, 13.3242



42.9132, 22.0621, 10.3313



32.9615, 42.9774, 77.0787



13.8800, 13.7696, 15.1382



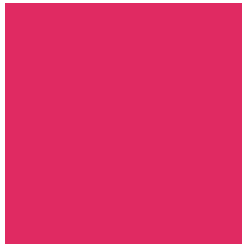
18.5620, 9.4918, 4.3595



1.3258, 0.6736, 0.5085

Previews

White Background



This preview shows how the XYZ color 33.7730, 18.3851, 13.3239 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 33.7730, 18.3851, 13.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

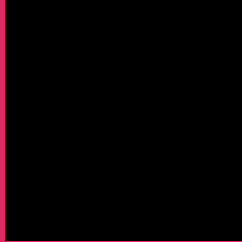
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7730, 18.3851, 13.3239

Background



This preview shows how black text looks on a background with the XYZ color 33.7730, 18.3851, 13.3239.

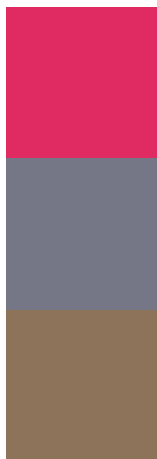


This preview shows how white text looks on a background with the XYZ color 33.7730, 18.3851,

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

33.7730, 18.3851, 13.3239

Protanopia

18.3061, 18.7248, 25.5711

Deuteranopia

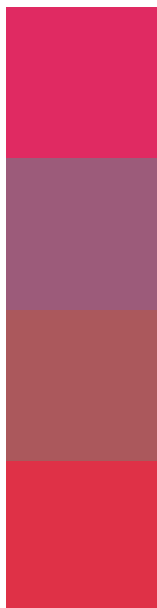
18.9184, 18.6455, 12.0530



Tritanopia

32.0869, 18.3516, 5.4655

Trichromacy



Original Color

33.7730, 18.3851, 13.3239

Protanomaly

20.9642, 15.9552, 20.3871

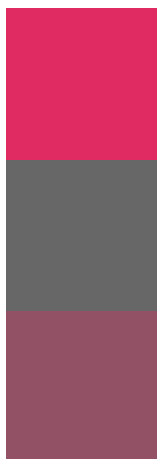
Deuteranomaly

22.2161, 16.4101, 12.1218

Tritanomaly

32.6671, 18.3395, 7.7794

Monochromacy



Original Color

33.7730, 18.3851, 13.3239

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.3240, 13.0275, 13.9134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7730, 18.3851, 13.3239 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, 42, 98)` looks like.

```
.text, #text, p{  
    color:rgb(224, 42, 98)  
}
```

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, 42, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 42, 98) }
```

Border

The CSS property to change the border of an element to XYZ 33.7730, 18.3851, 13.3239 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, 42, 98) }
```


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

```
.border{ border-color:rgb(224, 42, 98) }
```

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

Here you see how a box with a 4 pixel rgb(224, 42, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 42, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 42, 98);  
box-shadow:4px 4px 4px 4px rgb(224, 42,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7730, 18.3851, 13.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 42, 98) }
```

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

```
.background{ background-color: rgb(224, 42,  
98) }
```

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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