

Converting Colors

XYZ(33.3213, 17.6770, 15.3022)

Have a look what the booklet for
XYZ(33.3213, 17.6770, 15.3022)
contains.

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Color

**XYZ(33.2696, 17.6579,
15.2905)**

Conversions

Conversions Part 1

Format	Color
Hex	DE216A
RGB	222, 33, 106
RGB Percent	87%, 13%, 42%
CMY	0.1294, 0.8705, 0.5843
CMYK	0.00, 0.85, 0.52, 0.13
HSL	337°, 74%, 50%
HSV	337°, 85%, 87%
XYZ	33.2696, 17.6579, 15.2905
YIQ	97.8330, 89.2110, 62.7710

Conversions

Conversions Part 2

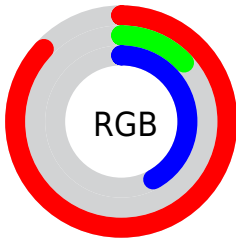
Format	Color
R _Y B	222, 33, 106
Decimal	14557546
CIE Lab	49.08, 71.87, 8.25
CIE LCh	49, 72.337, 6.547
Yxy	17.6579, 0.5024, 0.2667
Android (android.graphics.Color)	4292747626 (0xFFDE216A)
YUV	97.8330, 4.0263, 108.8945
Hunter-Lab	42.0213, 67.7868, 7.8408

Details

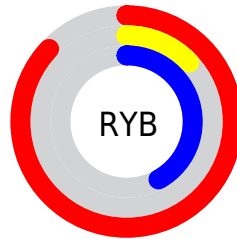
The XYZ color **33.2696, 17.6579, 15.2905** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **32.1753, 54.7366, 37.3109**, and the grayscale version is **11.5450, 12.1463, 13.2273**.

A 20% lighter version of the original color is **52.0772, 33.1971, 35.5612**, and **15.2866, 7.7893, 4.8355** is the 20% darker color. If you saturate the color by 10%, you get **32.1899, 16.5440, 11.7078**, and if you desaturate by 10%, it is **34.8683, 19.6298, 19.6020**.

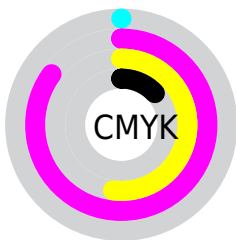
Distribution



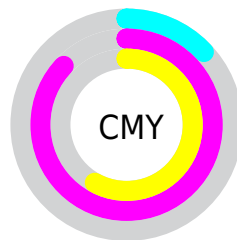
- Red (87%)
- Green (13%)
- Blue (42%)



- Red (87%)
- Yellow (13%)
- Blue (42%)



- Cyan (0%)
- Magenta (85%)
- Yellow (52%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2696, 17.6579, 15.2905 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 33.2696, 17.6579, 15.2905 by changing the saturation by 10% instead.

 33.2696, 17.6579,
15.2905


 33.2696, 17.6579,
15.2905


308.5064,
238.9357, 236.8189

 22.4933, 10.7047,
8.8746


 64.1481, 39.4535,
36.1115


 14.3384, 5.8686,
4.5638


 84.9809, 55.0647,
51.3537

 8.4397, 2.7653,
1.9395


 109.8967, 74.3306,
70.3751

 4.4317, 1.0105,
0.5177

 139.2607, 97.6357,
93.5942

 1.9492, 0.0000,
0.0000

 173.4383,
125.3644, 121.4296

 0.6052, 0.0000,
0.0000

 212.7949,

 0.0000, 0.0000,

157.9010, 154.2999

0.0000

257.6958,
195.6300, 192.6234

■ 33.2696, 17.6579,
15.2905

■ 33.2696, 17.6579,
15.2905

■ 32.1899, 16.5440,
11.7078

■ 34.8683, 19.6298,
19.6020

■ 31.7931, 16.1971,
10.1984

■ 37.0586, 22.5966,
24.6907

■ 39.9019, 26.6738,
30.6001

■ 43.4511, 31.9601,
37.3696

■ 47.7533, 38.5430,
45.0355

■ 52.8515, 46.5022,
53.6320

■ 58.7852, 55.9105,
63.1910

■ 65.5913, 66.8359,
73.7430

■ 73.3045, 79.3419,
85.3169

Harmonies

Analogous

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



31.7348, 17.6579, 38.1479



33.2696, 17.6579, 15.2905



29.5244, 17.6579, 4.4962

Triad

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



33.2696, 17.6579, 15.2905



10.1780, 17.6579, 2.1540



12.1280, 17.6579, 77.4930

Complementary

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



33.2696, 17.6579, 15.2905



32.1753, 54.7366, 37.3109

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.



8.3641, 17.6579, 50.9585



33.2696, 17.6579, 15.2905



7.4676, 17.6579, 7.8995

Square

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



33.2696, 17.6579, 15.2905



15.3459, 17.6579, 0.8916



6.9065, 17.6579, 23.7858



18.3077, 17.6579, 84.8821

Rectangle

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



33.2696, 17.6579, 15.2905



25.0064, 17.6579, 1.8973



6.9065, 17.6579, 23.7858



10.5951, 17.6579, 69.9320

Sweetspot

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



33.2701, 17.6589, 15.2908



71.5496, 62.3968, 72.0948



25.6558, 12.5111, 70.1697



14.7749, 12.5099, 14.5309



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.



33.2701, 17.6589, 15.2908



43.4672, 22.1509, 13.6583



31.6232, 18.0881, 3.2649



13.9252, 13.7877, 15.3765



18.9350, 9.6410, 6.3236



1.3553, 0.6854, 0.6641

Inverse Universe

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



33.2701, 17.6589, 15.2908



43.4672, 22.1509, 13.6583



35.1926, 48.3575, 76.5862



13.9252, 13.7877, 15.3765



18.9350, 9.6410, 6.3236



1.3553, 0.6854, 0.6641

Previews

White Background



This preview shows how the XYZ color 33.2696, 17.6579, 15.2905 looks on a white background.

Color Contrast Check

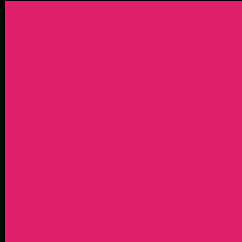
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2696, 17.6579, 15.2905 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 33.2696, 17.6579, 15.2905

Background



This preview shows how black text looks on a background with the XYZ color 33.2696, 17.6579, 15.2905.



This preview shows how white text looks on a background with the XYZ color 33.2696, 17.6579,

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

33.2696, 17.6579, 15.2905

Protanopia

17.9769, 17.9119, 30.9436

Deuteranopia

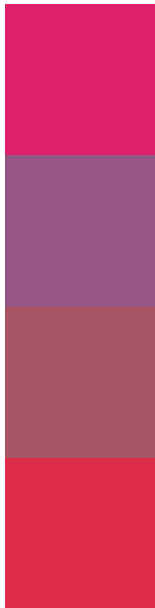
18.2161, 17.9076, 13.8057



Tritanopia

31.0171, 17.6757, 5.0258

Trichromacy



Original Color

33.2696, 17.6579, 15.2905

Protanomaly

20.1391, 14.8331, 23.9919

Deuteranomaly

21.4069, 15.4762, 13.9155

Tritanomaly

31.5856, 17.4849, 7.8411

Monochromacy



Original Color

33.2696, 17.6579, 15.2905

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

16.1254, 11.6768, 13.7159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2696, 17.6579, 15.2905 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(222, 33, 106)` looks like.

```
.text, #text, p{  
    color:rgb(222, 33, 106)  
}
```

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(222, 33, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 33, 106) }
```

Border

The CSS property to change the border of an element to XYZ 33.2696, 17.6579, 15.2905 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(222, 33, 106) }
```


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

```
.border{ border-color:rgb(222, 33, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 33, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 33, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 33, 106); box-shadow:4px 4px 4px 4px rgb(222, 33, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2696, 17.6579, 15.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 33, 106) }
```

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

```
.background{ background-color: rgb(222, 33,  
106) }
```

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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