

Converting Colors

XYZ(33.6456, 18.8737, 28.2050)

Have a look what the booklet for
XYZ(33.6456, 18.8737, 28.2050)
contains.

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Color

**XYZ(33.5996, 18.8390,
28.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	D43890
RGB	212, 56, 144
RGB Percent	83%, 22%, 56%
CMY	0.1686, 0.7804, 0.4353
CMYK	0.00, 0.74, 0.32, 0.17
HSL	326°, 64%, 53%
HSV	326°, 74%, 83%
XYZ	33.5996, 18.8390, 28.2510
YIQ	112.6760, 64.7280, 60.4400

Conversions

Conversions Part 2

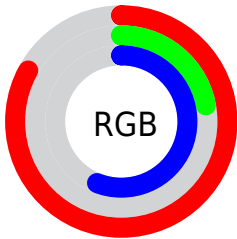
Format	Color
R_{YB}	212, 56, 144
Decimal	13908112
CIE _{Lab}	50.50, 66.91, -12.91
CIE _{LCh}	50, 68.141, 349.079
Yxy	18.8390, 0.4164, 0.2335
Android (android.graphics.Color)	4292098192 (0xFFD43890)
YUV	112.6760, 15.4427, 87.1071
Hunter-Lab	43.4039, 62.2226, -8.2083

Details

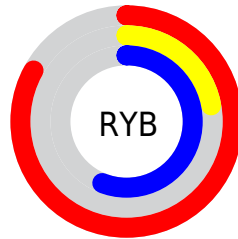
The XYZ color **33.5996, 18.8390, 28.2510** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **28.8137, 49.3836, 27.0853**, and the grayscale version is **15.5438, 16.3533, 17.8087**.

A 20% lighter version of the original color is **57.6784, 37.8280, 57.6876**, and **15.1572, 7.5805, 11.2540** is the 20% darker color. If you saturate the color by 10%, you get **32.1031, 16.9305, 24.4087**, and if you desaturate by 10%, it is **35.5898, 21.6422, 32.5435**.

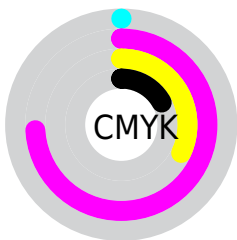
Distribution



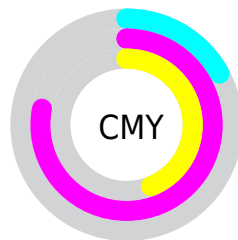
- Red (83%)
- Green (22%)
- Blue (56%)



- Red (83%)
- Yellow (22%)
- Blue (56%)



- Cyan (0%)
- Magenta (74%)
- Yellow (32%)
- Black (17%)




- Cyan (17%)
- Magenta (78%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5996, 18.8390, 28.2510 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 33.5996, 18.8390, 28.2510 by changing the saturation by 10% instead.

 33.5996, 18.8390,
28.2510

 33.5996, 18.8390,
28.2510

309.9604,
245.5585, 307.6139

 22.7476, 11.5540,
18.2743


 64.6590, 41.4619,
57.9128


 14.5269, 6.4408,
10.9756


 85.5970, 57.5685,
78.4350


 8.5722, 3.1149,
5.9365


 110.6279, 77.3845,
103.3094

 4.5181, 1.1920,
2.7383

 140.1168,
101.2943, 132.9546

 1.9992, 0.0552,
0.9626

 174.4291,
129.6821, 167.7891

 0.6335, 0.0000,
0.0000

213.9303,

 0.0000, 0.0000,

162.9325, 208.2315

0.0000

258.9856,
201.4299, 254.7003

■ 33.5996, 18.8390,
28.2510

■ 33.5996, 18.8390,
28.2510

■ 32.1031, 16.9305,
24.4087

■ 35.5898, 21.6422,
32.5435

■ 31.0381, 15.7947,
20.9886

■ 38.1222, 25.4352,
37.3085

■ 30.5164, 15.3431,
18.9905

■ 41.2411, 30.3044,
42.5672

■ 44.9854, 36.3257,
48.3387

■ 49.3906, 43.5681,
54.6410

■ 54.4894, 52.0952,
61.4906

■ 60.3123, 61.9661,
68.9034

■ 66.8880, 73.2364,
76.8944

■ 74.2434, 85.9582,
85.4780

Harmonies

Analogous

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



29.3924, 18.8390, 55.0048



33.5996, 18.8390, 28.2510



32.8893, 18.8390, 10.7298

Triad

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



33.5996, 18.8390, 28.2510



14.0476, 18.8390, 1.7274



10.7760, 18.8390, 62.4158

Complementary

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



33.5996, 18.8390, 28.2510



28.8137, 49.3836, 27.0853

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.



8.3455, 18.8390, 34.9400



33.5996, 18.8390, 28.2510



9.8860, 18.8390, 4.6721

Square

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



33.5996, 18.8390, 28.2510



20.4359, 18.8390, 1.4814



8.0660, 18.8390, 14.3343



15.5938, 18.8390, 81.4559

Rectangle

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



33.5996, 18.8390, 28.2510



29.7612, 18.8390, 5.0162



8.0660, 18.8390, 14.3343



9.7095, 18.8390, 53.2845

Sweetspot

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



33.6002, 18.8400, 28.2513



76.0000, 67.8047, 84.3466



21.5536, 11.8385, 63.4365



15.8444, 13.8117, 17.4681



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.



33.6002, 18.8400, 28.2513



47.8207, 24.6597, 34.2178



29.5616, 17.2246, 6.9843



12.7137, 12.5370, 14.4326



18.8905, 9.4925, 11.9931



1.1806, 0.5890, 0.9405

Inverse Universe

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



33.6002, 18.8400, 28.2513



47.8207, 24.6597, 34.2178



35.7884, 52.1735, 63.8139



12.7137, 12.5370, 14.4326



18.8905, 9.4925, 11.9931



1.1806, 0.5890, 0.9405

Previews

White Background



This preview shows how the XYZ color 33.5996, 18.8390, 28.2510 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 33.5996, 18.8390, 28.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

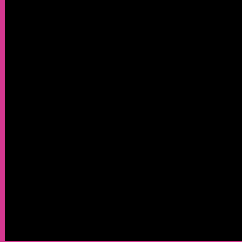
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5996, 18.8390, 28.2510

Background



This preview shows how black text looks on a background with the XYZ color 33.5996, 18.8390, 28.2510.



This preview shows how white text looks on a background with the XYZ color 33.5996, 18.8390,

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

33.5996, 18.8390, 28.2510

Protanopia

20.3932, 19.2574, 50.2192

Deuteranopia

19.5266, 19.1701, 25.9636



Tritanopia

29.6595, 18.8621, 9.4747

Trichromacy



Original Color

33.5996, 18.8390, 28.2510

Protanomaly

22.1105, 16.7476, 41.0970

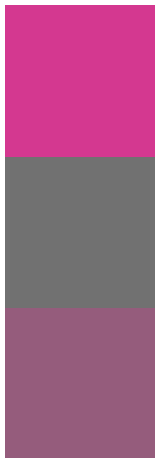
Deuteranomaly

22.6570, 17.2166, 26.5551

Tritanomaly

30.8098, 18.6688, 14.8116

Monochromacy



Original Color

33.5996, 18.8390, 28.2510

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.8597, 15.4991, 21.0137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5996, 18.8390, 28.2510 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(212, 56, 144)` looks like.

```
.text, #text, p{  
    color:rgb(212, 56, 144)  
}
```

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(212, 56, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 56, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.5996, 18.8390, 28.2510 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(212, 56, 144) }
```


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

```
.border{ border-color:rgb(212, 56, 144) }
```

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

Here you see how a box with a 4 pixel rgb(212, 56, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 56, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 56, 144);  
box-shadow:4px 4px 4px 4px rgb(212, 56,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5996, 18.8390, 28.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 56, 144) }
```

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

```
.background{ background-color: rgb(212, 56,  
144) }
```

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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