

Converting Colors

XYZ(30.0104, 17.5202, 36.2356)

Have a look what the booklet for
XYZ(30.0104, 17.5202, 36.2356)
contains.

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Color

**XYZ(29.9870, 17.5013,
36.4479)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | BF41A3 |
| RGB | 191, 65, 163 |
| RGB Percent | 75%, 25%, 64% |
| CMY | 0.2510, 0.7451, 0.3608 |
| CMYK | 0.00, 0.66, 0.15, 0.25 |
| HSL | 313°, 50%, 50% |
| HSV | 313°, 66%, 75% |
| XYZ | 29.9870, 17.5013, 36.4479 |
| YIQ | 113.8460, 43.6380, 57.1900 |

Conversions

Conversions Part 2

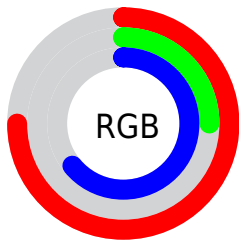
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 191, 65, 163 |
| Decimal | 12534179 |
| CIE _{Lab} | 48.89, 60.70, -27.00 |
| CIE _{LCh} | 49, 66.436, 336.025 |
| Yxy | 17.5013, 0.3573, 0.2085 |
| Android (android.graphics.Color) | 4290724259 (0xFFBF41A3) |
| YUV | 113.8460, 24.2329, 67.6641 |
| Hunter-Lab | 41.8346, 54.7383, -22.3716 |

Details

The XYZ color **29.9870, 17.5013, 36.4479** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **22.7874, 39.1764, 16.7183**, and the grayscale version is **15.8696, 16.6961, 18.1820**.

A 20% lighter version of the original color is **58.9166, 39.0607, 70.7639**, and **12.7008, 6.2160, 15.5693** is the 20% darker color. If you saturate the color by 10%, you get **28.6962, 15.5179, 34.1726**, and if you desaturate by 10%, it is **31.6624, 20.2328, 38.9146**.

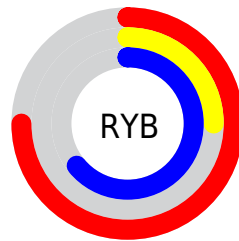
Distribution



Red (75%)

Green (25%)

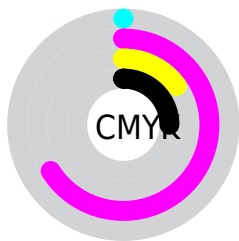
Blue (64%)



Red (75%)

Yellow (25%)

Blue (64%)

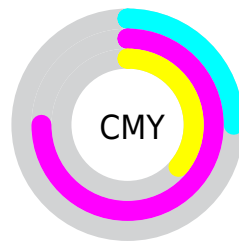


Cyan (0%)

Magenta (66%)

Yellow (15%)

Black (25%)



Cyan (25%)


Magenta (75%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9870, 17.5013, 36.4479 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 29.9870, 17.5013, 36.4479 by changing the saturation by 10% instead.


 29.9870, 17.5013,
36.4479


 29.9870, 17.5013,
36.4479


293.7548,
238.0449, 346.0105


 19.9767, 10.5925,
24.4879


 59.0284, 39.1857,
70.8996


 12.4863, 5.7936,
15.4804


 78.7902, 54.7301,
94.2284


 7.1503, 2.7200,
9.0069

 102.5333, 73.9219,
122.1839

 3.6035, 0.9873,
4.6488

 130.6230, 97.1454,
155.1846

 1.4803, 0.0000,
1.9876

 163.4246,
124.7851, 193.6491

 0.3124, 0.0000,
0.5476

201.3036,

 0.0000, 0.0000,

157.2253, 237.9959

0.0000

244.6252,
194.8504, 288.6435

■ 29.9870, 17.5013,
36.4479

■ 29.9870, 17.5013,
36.4479

■ 28.6962, 15.5179,
34.1726

■ 31.6624, 20.2328,
38.9146

■ 27.7489, 14.2016,
32.0741

■ 33.7543, 23.7771,
41.5837

■ 27.0962, 13.4543,
30.1355

■ 36.2935, 28.1951,
44.4660

■ 26.8753, 13.2321,
29.3849

■ 39.3071, 33.5408,
47.5712

■ 42.8201, 39.8643,
50.9082

■ 46.8558, 47.2116,
54.4854

■ 51.4358, 55.6261,
58.3105

■ 56.5807, 65.1486,
62.3909

■ 62.3098, 75.8177,
66.7336

Harmonies

Analogous

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



24.6257, 17.5013, 61.8121



29.9870, 17.5013, 36.4479



31.4274, 17.5013, 15.7102

Triad

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



29.9870, 17.5013, 36.4479



15.4210, 17.5013, 1.3078



8.7711, 17.5013, 46.8087

Complementary

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



29.9870, 17.5013, 36.4479



22.7874, 39.1764, 16.7183

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.



7.4113, 17.5013, 22.8459



29.9870, 17.5013, 36.4479



10.5912, 17.5013, 2.6749

Square

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



29.9870, 17.5013, 36.4479



21.9313, 17.5013, 1.8233



7.9838, 17.5013, 8.3219



12.2675, 17.5013, 69.9535

Rectangle

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



29.9870, 17.5013, 36.4479



29.7224, 17.5013, 7.7044



7.9838, 17.5013, 8.3219



8.0942, 17.5013, 38.1700

Sweetspot

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



29.9876, 17.5022, 36.4482



73.8401, 66.2480, 88.5237



15.7389, 9.8340, 50.3592



15.8260, 13.8486, 19.0676



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9876, 17.5022, 36.4482



50.5967, 26.6448, 59.5551



25.7112, 15.7916, 13.9292



9.8367, 9.6590, 11.5293



17.6932, 8.7084, 19.4757



0.7159, 0.3503, 0.8831

Inverse Universe

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



29.9876, 17.5022, 36.4482



50.5967, 26.6448, 59.5551



26.7532, 40.7627, 37.6016



9.8367, 9.6590, 11.5293



17.6932, 8.7084, 19.4757



0.7159, 0.3503, 0.8831

Previews

White Background



This preview shows how the XYZ color 29.9870, 17.5013, 36.4479 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 29.9870, 17.5013, 36.4479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

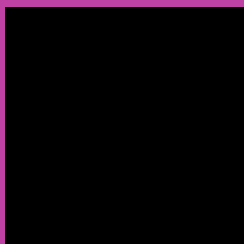
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9870, 17.5013, 36.4479

Background



This preview shows how black text looks on a background with the XYZ color 29.9870, 17.5013, 36.4479.



This preview shows how white text looks on a background with the XYZ color 29.9870, 17.5013,

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

29.9870, 17.5013, 36.4479

Protanopia

19.9770, 17.9720, 59.5428

Deuteranopia

18.1105, 17.7538, 33.4826



Tritanopia

24.9040, 17.4427, 11.9517

Trichromacy



Original Color

29.9870, 17.5013, 36.4479



Protanomaly

20.8394, 15.8914, 50.1131



Deuteranomaly

20.9275, 16.4213, 34.4144



Tritanomaly

26.4288, 17.2979, 18.7755

Monochromacy



Original Color

29.9870, 17.5013, 36.4479



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.5031, 15.7825, 23.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9870, 17.5013, 36.4479 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(191, 65, 163)` looks like.

```
.text, #text, p{  
    color:rgb(191, 65, 163)  
}
```

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(191, 65, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 65, 163) }
```

Border

The CSS property to change the border of an element to XYZ 29.9870, 17.5013, 36.4479 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(191, 65, 163) }
```


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

```
.border{ border-color:rgb(191, 65, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 65, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 65, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 65, 163);  
box-shadow:4px 4px 4px 4px rgb(191, 65,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9870, 17.5013, 36.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 65, 163) }
```

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

```
.background{ background-color: rgb(191, 65,  
163) }
```

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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