

Converting Colors

XYZ(30.9036, 17.2794, 31.1728)

Have a look what the booklet for
XYZ(30.9036, 17.2794, 31.1728)
contains.

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Color

**XYZ(30.7715, 17.2461,
30.9851)**

Conversions

Conversions Part 1

Format	Color
Hex	C83797
RGB	200, 55, 151
RGB Percent	78%, 22%, 59%
CMY	0.2157, 0.7843, 0.4078
CMYK	0.00, 0.72, 0.24, 0.22
HSL	320°, 57%, 50%
HSV	320°, 72%, 78%
XYZ	30.7715, 17.2461, 30.9851
YIQ	109.2990, 55.6040, 60.5960

Conversions

Conversions Part 2

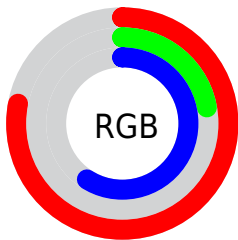
Format	Color
R_{YB}	200, 55, 151
Decimal	13121431
CIE _{Lab}	48.57, 65.01, -20.23
CIE _{LCh}	49, 68.086, 342.719
Yxy	17.2461, 0.3895, 0.2183
Android (android.graphics.Color)	4291311511 (0xFFC83797)
YUV	109.2990, 20.5586, 79.5448
Hunter-Lab	41.5284, 59.5892, -15.1674

Details

The XYZ color **30.7715, 17.2461, 30.9851** 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 **24.7295, 43.1208, 20.1188**, and the grayscale version is **14.5542, 15.3121, 16.6749**.

A 20% lighter version of the original color is **58.2768, 37.7024, 61.9634**, and **13.4556, 6.6709, 12.6350** is the 20% darker color. If you saturate the color by 10%, you get **29.4733, 15.5030, 27.9213**, and if you desaturate by 10%, it is **32.4870, 19.7731, 34.3436**.

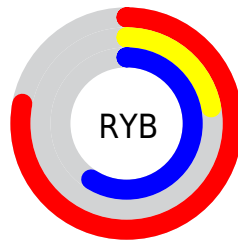
Distribution



Red (78%)

Green (22%)

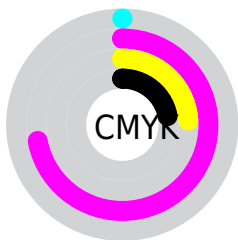
Blue (59%)



Red (78%)

Yellow (22%)

Blue (59%)

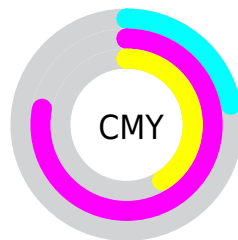


Cyan (0%)

Magenta (72%)

Yellow (24%)

Black (22%)



Cyan (22%)


Magenta (78%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7715, 17.2461, 30.9851 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 30.7715, 17.2461, 30.9851 by changing the saturation by 10% instead.


 30.7715, 17.2461,
30.9851


 30.7715, 17.2461,
30.9851

297.3300,
236.5866, 320.8187

 20.5759, 10.4101,
20.3291


 60.2584, 38.7484,
62.2959

 12.9250, 5.6717,
12.4481

 80.2805, 54.1835,
83.7878


 7.4536, 2.6465,
6.9234


 104.3087, 73.2538,
109.7288

 3.7962, 0.9501,
3.3365

 132.7084, 96.3437,
140.5374

 1.5875, 0.0000,
1.2689

 165.8451,
123.8375, 176.6322

 0.3842, 0.0000,
0.0361

204.0840,

 0.0000, 0.0000,

156.1197, 218.4316

0.0000

247.7905,
193.5746, 266.3543

■ 30.7715, 17.2461,
30.9851

■ 30.7715, 17.2461,
30.9851

■ 29.4733, 15.5030,
27.9213

■ 32.4870, 19.7731,
34.3436

■ 28.5405, 14.4413,
25.1319

■ 34.6603, 23.1645,
38.0123

■ 28.0125, 13.9566,
23.1947

■ 37.3284, 27.4938,
42.0062

■ 40.5243, 32.8257,
46.3388

■ 44.2777, 39.2192,
51.0222

■ 48.6164, 46.7289,
56.0680

■ 53.5659, 55.4054,
61.4870

■ 59.1505, 65.2962,
67.2894

■ 65.3929, 76.4463,
73.4850

Harmonies

Analogous

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



25.9827, 17.2461, 57.1688



30.7715, 17.2461, 30.9851



31.1502, 17.2461, 12.1680

Triad

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



30.7715, 17.2461, 30.9851



13.8833, 17.2461, 1.2328



9.0467, 17.2461, 53.1909

Complementary

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



30.7715, 17.2461, 30.9851



24.7295, 43.1208, 20.1188

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.



7.2344, 17.2461, 27.4310



30.7715, 17.2461, 30.9851



9.5101, 17.2461, 3.1355

Square

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



30.7715, 17.2461, 30.9851



20.2316, 17.2461, 1.3519



7.3791, 17.2461, 10.2900



13.0716, 17.2461, 74.6293

Rectangle

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



30.7715, 17.2461, 30.9851



28.7396, 17.2461, 5.6331



7.3791, 17.2461, 10.2900



8.2107, 17.2461, 44.2358

Sweetspot

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



30.7720, 17.2470, 30.9854



76.7867, 68.1194, 88.4893



17.4245, 9.8070, 55.6183



16.0306, 13.8862, 18.4491



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.



30.7720, 17.2470, 30.9854



50.0289, 25.6524, 45.5083



26.6037, 15.5797, 9.0354



10.9249, 10.7533, 12.5876



17.8545, 8.8914, 14.9755



0.8782, 0.4341, 0.8819

Inverse Universe

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



30.7720, 17.2470, 30.9854



50.0289, 25.6524, 45.5083



30.0505, 45.2492, 48.1389



10.9249, 10.7533, 12.5876



17.8545, 8.8914, 14.9755



0.8782, 0.4341, 0.8819

Previews

White Background



This preview shows how the XYZ color 30.7715, 17.2461, 30.9851 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 30.7715, 17.2461, 30.9851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

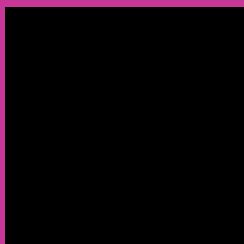
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7715, 17.2461, 30.9851

Background



This preview shows how black text looks on a background with the XYZ color 30.7715, 17.2461, 30.9851.



This preview shows how white text looks on a background with the XYZ color 30.7715, 17.2461,

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

30.7715, 17.2461, 30.9851

Protanopia

19.2623, 17.5451, 54.5959

Deuteranopia

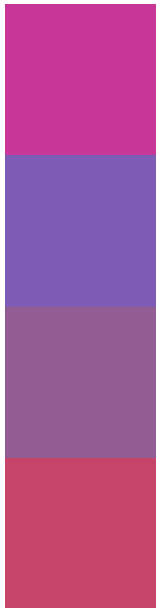
17.9147, 17.5952, 28.4386



Tritanopia

26.3178, 17.2323, 9.7236

Trichromacy



Original Color

30.7715, 17.2461, 30.9851

Protanomaly

20.3775, 15.2347, 45.0466

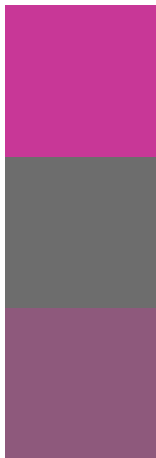
Deuteranomaly

20.7797, 15.9238, 29.1725

Tritanomaly

27.4336, 16.9106, 15.4538

Monochromacy



Original Color

30.7715, 17.2461, 30.9851

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

18.3658, 14.3508, 20.8708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7715, 17.2461, 30.9851 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(200, 55, 151)` looks like.

```
.text, #text, p{  
    color:rgb(200, 55, 151)  
}
```

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(200, 55, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 55, 151) }
```

Border

The CSS property to change the border of an element to XYZ 30.7715, 17.2461, 30.9851 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(200, 55, 151) }
```


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

```
.border{ border-color:rgb(200, 55, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 55, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 55, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 55, 151);  
box-shadow:4px 4px 4px 4px rgb(200, 55,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7715, 17.2461, 30.9851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 55, 151) }
```

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

```
.background{ background-color: rgb(200, 55,  
151) }
```

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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