

Converting Colors

XYZ(29.2242, 19.9060, 33.7880)

Have a look what the booklet for
XYZ(29.2242, 19.9060, 33.7880)
contains.

XYZ(29.2703, 19.9498, 33.7605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.2703, 19.9498,
33.7605)**

Conversions

Conversions Part 1

Format	Color
Hex	B75B9C
RGB	183, 91, 156
RGB Percent	72%, 36%, 61%
CMY	0.2824, 0.6431, 0.3882
CMYK	0.00, 0.50, 0.15, 0.28
HSL	318°, 39%, 54%
HSV	318°, 50%, 72%
XYZ	29.2703, 19.9498, 33.7605
YIQ	125.9180, 33.9670, 39.7190

Conversions

Conversions Part 2

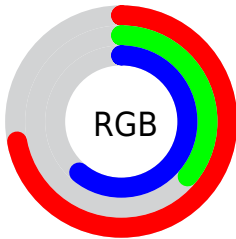
Format	Color
R_{YB}	183, 91, 156
Decimal	12016540
CIE _{Lab}	51.78, 45.49, -18.50
CIE _{LCh}	52, 49.112, 337.866
Yxy	19.9498, 0.3527, 0.2404
Android (android.graphics.Color)	4290206620 (0xFFB75B9C)
YUV	125.9180, 14.8304, 50.0609
Hunter-Lab	44.6652, 38.8117, -13.5491

Details

The XYZ color **29.2703, 19.9498, 33.7605** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **24.5188, 37.3998, 23.0678**, and the grayscale version is **19.7472, 20.7756, 22.6246**.

A 20% lighter version of the original color is **58.0068, 43.3504, 66.9382**, and **12.1450, 6.9953, 14.0747** is the 20% darker color. If you saturate the color by 10%, you get **27.4477, 17.0161, 30.9585**, and if you desaturate by 10%, it is **31.4957, 23.6562, 36.7964**.

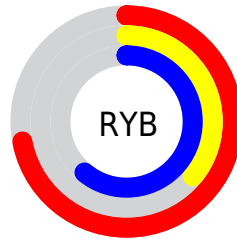
Distribution



Red (72%)

Green (36%)

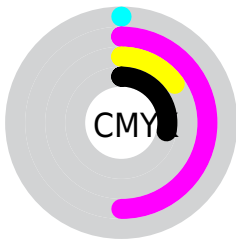
Blue (61%)



Red (72%)

Yellow (36%)

Blue (61%)

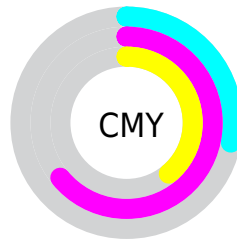


Cyan (0%)

Magenta (50%)

Yellow (15%)

Black (28%)



Cyan (28%)

Magenta (64%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2703, 19.9498, 33.7605 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 29.2703, 19.9498, 33.7605 by changing the saturation by 10% instead.

■ 29.2703, 19.9498,
33.7605

■ 29.2703, 19.9498,
33.7605

290.4594,
251.6432, 333.7993

■ 19.4307, 12.3586,
22.4338

■ 57.9009, 43.3330,
66.6907

■ 12.0878, 6.9884,
13.9746

■ 77.4225, 59.8938,
89.1313

■ 6.8761, 3.4548,
7.9645

■ 100.9023, 80.2131,
116.1135

■ 3.4304, 1.3735,
3.9848

■ 128.7054,
104.6755, 148.0560

■ 1.3852, 0.1971,
1.6170

161.1974,
133.6653, 185.3773

■ 0.2457, 0.0000,
0.3029

198.7434,

■ 0.0000, 0.0000,

167.5670, 228.4959

0.0000

241.7090,
206.7648, 277.8304

■ 29.2703, 19.9498,
33.7605

■ 29.2703, 19.9498,
33.7605

■ 27.4477, 17.0161,
30.9585

■ 31.4957, 23.6562,
36.7964

■ 25.9975, 14.7959,
28.3785

■ 34.1476, 28.1835,
40.0747

■ 24.8880, 13.2256,
26.0086

■ 37.2502, 33.5789,
43.6050

■ 24.0810, 12.2294,
23.8350

■ 40.8251, 39.8856,
47.3955

■ 23.5104, 11.6601,
21.8820

■ 44.8925, 47.1436,
51.4544

■ 49.4715, 55.3907,
55.7890

■ 54.5801, 64.6625,
60.4065

■ 60.2355, 74.9930,
65.3138

■ 66.2284, 85.9633,
70.4422

Harmonies

Analogous

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



25.4577, 19.9498, 51.3081



29.2703, 19.9498, 33.7605



30.0991, 19.9498, 18.1855

Triad

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



29.2703, 19.9498, 33.7605



17.6829, 19.9498, 4.3198



12.3701, 19.9498, 43.2411

Complementary

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



29.2703, 19.9498, 33.7605



24.5188, 37.3998, 23.0678

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.



10.9790, 19.9498, 25.6895



29.2703, 19.9498, 33.7605



13.6769, 19.9498, 6.4815

Square

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



29.2703, 19.9498, 33.7605



22.7976, 19.9498, 4.9479



11.4116, 19.9498, 12.9511



15.5822, 19.9498, 58.2466

Rectangle

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



29.2703, 19.9498, 33.7605



28.7339, 19.9498, 11.2713



11.4116, 19.9498, 12.9511



11.7021, 19.9498, 37.2013

Sweetspot

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



29.2709, 19.9507, 33.7609



69.8218, 65.6034, 81.4459



19.6345, 14.6888, 46.6005



15.1285, 13.9736, 17.6761



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.2709, 19.9507, 33.7609



48.9491, 30.1473, 55.0997



26.1359, 18.6967, 17.2522



9.2656, 9.1166, 10.7458



16.4322, 8.1467, 15.4289



0.6049, 0.2974, 0.6789

Inverse Universe

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



29.2709, 19.9507, 33.7609



48.9491, 30.1473, 55.0997



27.8655, 38.7384, 40.6910



9.2656, 9.1166, 10.7458



16.4322, 8.1467, 15.4289



0.6049, 0.2974, 0.6789

Previews

White Background



This preview shows how the XYZ color 29.2703, 19.9498, 33.7605 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 29.2703, 19.9498, 33.7605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

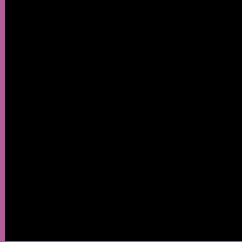
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2703, 19.9498, 33.7605

Background



This preview shows how black text looks on a background with the XYZ color 29.2703, 19.9498, 33.7605.



This preview shows how white text looks on a background with the XYZ color 29.2703, 19.9498,

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

29.2703, 19.9498, 33.7605

Protanopia

20.9219, 20.1770, 45.4397

Deuteranopia

20.4493, 20.0467, 32.0698



Tritanopia

25.7741, 19.8765, 16.9461

Trichromacy



Original Color

29.2703, 19.9498, 33.7605



Protanomaly

22.7080, 19.2957, 41.0557



Deuteranomaly

22.8273, 19.3811, 32.6748



Tritanomaly

26.8630, 19.7590, 22.1367

Monochromacy



Original Color

29.2703, 19.9498, 33.7605



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

22.4531, 19.8194, 26.3090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2703, 19.9498, 33.7605 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(183, 91, 156)` looks like.

```
.text, #text, p{  
    color:rgb(183, 91, 156)  
}
```

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(183, 91, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 91, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.2703, 19.9498, 33.7605 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(183, 91, 156) }
```


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

```
.border{ border-color:rgb(183, 91, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 91, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 91, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 91, 156);  
box-shadow:4px 4px 4px 4px rgb(183, 91,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2703, 19.9498, 33.7605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 91, 156) }
```

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

```
.background{ background-color: rgb(183, 91,  
156) }
```

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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