

Converting Colors

XYZ(29.9138, 20.5677, 32.5303)

Have a look what the booklet for
XYZ(29.9138, 20.5677, 32.5303)
contains.

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Color

**XYZ(29.9138, 20.5677,
32.5303)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5D99
RGB	186, 93, 153
RGB Percent	73%, 36%, 60%
CMY	0.2706, 0.6353, 0.4000
CMYK	0.00, 0.50, 0.18, 0.27
HSL	321°, 40%, 55%
HSV	321°, 50%, 73%
XYZ	29.9138, 20.5677, 32.5303
YIQ	127.6470, 36.1680, 38.3760

Conversions

Conversions Part 2

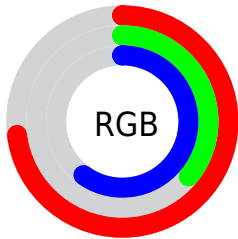
Format	Color
R_{YB}	186, 93, 153
Decimal	12213657
CIE _{Lab}	52.47, 44.96, -15.65
CIE _{LCh}	52, 47.608, 340.814
Yxy	20.5677, 0.3604, 0.2478
Android (android.graphics.Color)	4290403737 (0xFFBA5D99)
YUV	127.6470, 12.4990, 51.1756
Hunter-Lab	45.3516, 38.3727, -10.7820

Details

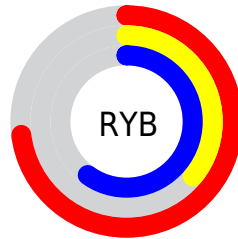
The XYZ color **29.9138, 20.5677, 32.5303** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.8400, 38.9519, 25.8969**, and the grayscale version is **20.3457, 21.4053, 23.3103**.

A 20% lighter version of the original color is **58.8496, 44.2959, 64.4797**, and **12.3971, 7.2910, 13.3243** is the 20% darker color. If you saturate the color by 10%, you get **27.9452, 17.4788, 29.2585**, and if you desaturate by 10%, it is **32.3108, 24.4647, 36.0941**.

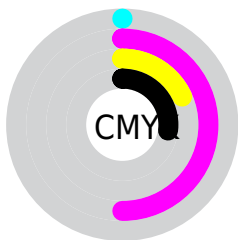
Distribution



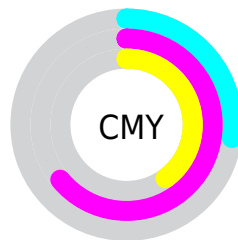
- Red (73%)
- Green (36%)
- Blue (60%)



- Red (73%)
- Yellow (36%)
- Blue (60%)



- Cyan (0%)
- Magenta (50%)
- Yellow (18%)
- Black (27%)



- Cyan (27%)
- Magenta (64%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9138, 20.5677, 32.5303 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 29.9138, 20.5677, 32.5303 by changing the saturation by 10% instead.

■ 29.9138, 20.5677,
32.5303

■ 29.9138, 20.5677,
32.5303

293.4195,
254.9720, 328.0948

■ 19.9209, 12.8084,
21.4987

■ 58.9134, 44.3669,
64.7490

■ 12.4455, 7.2967,
13.2942

■ 78.6508, 61.1757,
86.7733

■ 7.1222, 3.6484,
7.4984

■ 102.3671, 81.7696,
113.2988

■ 3.5856, 1.4789,
3.6925

■ 130.4277,
106.5332, 144.7442

■ 1.4705, 0.2738,
1.4582

163.1978,
135.8509, 181.5279

■ 0.3056, 0.0000,
0.1865

201.0430,

■ 0.0000, 0.0000,

170.1070, 224.0686

0.0000

244.3284,
209.6859, 272.7847

■ 29.9138, 20.5677,
32.5303

■ 29.9138, 20.5677,
32.5303

■ 27.9452, 17.4788,
29.2585

■ 32.3108, 24.4647,
36.0941

■ 26.3734, 15.1362,
26.2652

■ 35.1612, 29.2196,
39.9600

■ 25.1652, 13.4741,
23.5370

■ 38.4901, 34.8819,
44.1388

■ 24.2807, 12.4135,
21.0583

■ 42.3203, 41.4963,
48.6403

■ 23.6400, 11.7953,
18.7997

■ 46.6730, 49.1045,
53.4738

■ 23.6398, 11.7952,
18.7991

■ 51.5682, 57.7458,
58.6481

■ 57.0248, 67.4573,
64.1715

■ 63.0608, 78.2744,
70.0521

■ 67.9445, 86.7330,
75.7147

Harmonies

Analogous

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



26.4069, 20.5677, 49.7940



29.9138, 20.5677, 32.5303



30.3909, 20.5677, 17.6864

Triad

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



29.9138, 20.5677, 32.5303



17.8272, 20.5677, 4.9322



13.2278, 20.5677, 45.1802

Complementary

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



29.9138, 20.5677, 32.5303



25.8400, 38.9519, 25.8969

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.



11.6515, 20.5677, 27.8723



29.9138, 20.5677, 32.5303



13.9948, 20.5677, 7.5115

Square

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



29.9138, 20.5677, 32.5303



22.8255, 20.5677, 5.3151



11.9064, 20.5677, 14.6190



16.6020, 20.5677, 58.9653

Rectangle

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



29.9138, 20.5677, 32.5303



28.8510, 20.5677, 11.1858



11.9064, 20.5677, 14.6190



12.4980, 20.5677, 39.3374

Sweetspot

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



29.9144, 20.5687, 32.5307



72.9466, 68.6990, 83.8047



21.3163, 15.7765, 48.3763



15.7458, 14.5801, 18.0781



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.9144, 20.5687, 32.5307



50.3372, 31.1996, 52.4700



26.8161, 19.3293, 16.2149



9.2419, 9.1071, 10.6215



15.9407, 7.9500, 12.8405



0.5902, 0.2916, 0.6016

Inverse Universe

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



29.9144, 20.5687, 32.5307



50.3372, 31.1996, 52.4700



29.5250, 40.4260, 45.3024



9.2419, 9.1071, 10.6215



15.9407, 7.9500, 12.8405



0.5902, 0.2916, 0.6016

Previews

White Background



This preview shows how the XYZ color 29.9138, 20.5677, 32.5303 looks on a white background.

Color Contrast Check

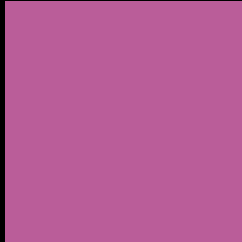
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9138, 20.5677, 32.5303 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 29.9138, 20.5677, 32.5303

Background



This preview shows how black text looks on a background with the XYZ color 29.9138, 20.5677, 32.5303.



This preview shows how white text looks on a background with the XYZ color 29.9138, 20.5677,

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

29.9138, 20.5677, 32.5303

Protanopia

21.3759, 20.8254, 43.4505

Deuteranopia

21.1807, 20.8161, 30.9185



Tritanopia

26.8572, 20.5736, 17.3074

Trichromacy



Original Color

29.9138, 20.5677, 32.5303

Protanomaly

23.3614, 20.0035, 39.1890

Deuteranomaly

23.5119, 20.0862, 31.4920

Tritanomaly

27.7562, 20.4973, 22.2321

Monochromacy



Original Color

29.9138, 20.5677, 32.5303

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.0405, 20.4572, 26.4012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9138, 20.5677, 32.5303 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(186, 93, 153)` looks like.

```
.text, #text, p{  
    color:rgb(186, 93, 153)  
}
```

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(186, 93, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 93, 153) }
```

Border

The CSS property to change the border of an element to XYZ 29.9138, 20.5677, 32.5303 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(186, 93, 153) }
```


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

```
.border{ border-color:rgb(186, 93, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 93, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 93, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 93, 153);  
box-shadow:4px 4px 4px 4px rgb(186, 93,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9138, 20.5677, 32.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 93, 153) }
```

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

```
.background{ background-color: rgb(186, 93,  
153) }
```

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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