

Converting Colors

XYZ(29.4340, 19.3876, 29.8781)

Have a look what the booklet for
XYZ(29.4340, 19.3876, 29.8781)
contains.

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Color

**XYZ(29.5012, 19.4224,
29.7978)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5593
RGB	189, 85, 147
RGB Percent	74%, 33%, 58%
CMY	0.2588, 0.6666, 0.4235
CMYK	0.00, 0.55, 0.22, 0.26
HSL	324°, 44%, 54%
HSV	324°, 55%, 74%
XYZ	29.5012, 19.4224, 29.7978
YIQ	123.1640, 42.0820, 41.3300

Conversions

Conversions Part 2

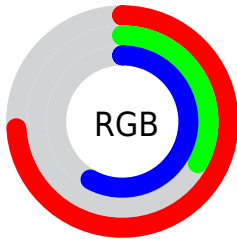
Format	Color
R_{YB}	189, 85, 147
Decimal	12408211
CIE _{Lab}	51.18, 48.98, -14.03
CIE _{LCh}	51, 50.944, 344.020
Yxy	19.4224, 0.3748, 0.2467
Android (android.graphics.Color)	4290598291 (0xFFBD5593)
YUV	123.1640, 11.7511, 57.7382
Hunter-Lab	44.0709, 42.3646, -9.2384

Details

The XYZ color **29.5012, 19.4224, 29.7978** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.7756, 39.8593, 26.4156**, and the grayscale version is **18.8342, 19.8151, 21.5786**.

A 20% lighter version of the original color is **58.4866, 42.6387, 60.4059**, and **12.2485, 6.7596, 11.7255** is the 20% darker color. If you saturate the color by 10%, you get **27.6278, 16.6025, 26.3156**, and if you desaturate by 10%, it is **31.8128, 23.0548, 33.6226**.

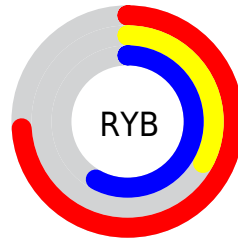
Distribution



Red (74%)

Green (33%)

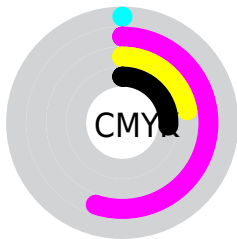
Blue (58%)



Red (74%)

Yellow (33%)

Blue (58%)

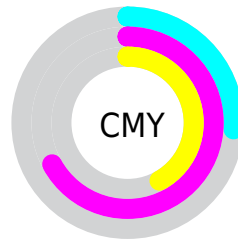


Cyan (0%)

Magenta (55%)

Yellow (22%)

Black (26%)



Cyan (26%)

Magenta (67%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5012, 19.4224, 29.7978 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 29.5012, 19.4224, 29.7978 by changing the saturation by 10% instead.


 29.5012, 19.4224,
29.7978


 29.5012, 19.4224,
29.7978


291.5242,
248.7708, 315.1387

 19.6065, 11.9759,
19.4344


 58.2645, 42.4466,
60.3995


 12.2159, 6.7273,
11.8046

 77.8638, 58.7932,
81.4749


 6.9641, 3.2921,
6.4899


 101.4287, 78.8752,
106.9580

 3.4858, 1.2861,
3.0716

 129.3245,
103.0770, 137.2674

 1.4156, 0.1304,
1.1313

 161.9166,
131.7831, 172.8216

 0.2673, 0.0000,
0.0000

199.5704,

 0.0000, 0.0000,

165.3778, 214.0393

0.0000

242.6511,
204.2456, 261.3388

■ 29.5012, 19.4224,
29.7978

■ 29.5012, 19.4224,
29.7978

■ 27.6278, 16.6025,
26.3156

■ 31.8128, 23.0548,
33.6226

■ 26.1578, 14.5270,
23.1600

■ 34.5905, 27.5548,
37.8023

■ 25.0534, 13.1217,
20.3147

■ 37.8618, 32.9759,
42.3499

■ 24.2681, 12.2949,
17.7603

■ 41.6515, 39.3667,
47.2772

■ 23.9484, 12.0037,
16.5802

■ 45.9825, 46.7720,
52.5951

■ 50.8765, 55.2341,
58.3143

■ 56.3540, 64.7928,
64.4447

■ 62.4343, 75.4857,
70.9960

■ 69.1020, 87.2811,
77.9661

Harmonies

Analogous

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



26.0929, 19.4224, 48.2301



29.5012, 19.4224, 29.7978



29.6193, 19.4224, 15.0822

Triad

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



29.5012, 19.4224, 29.7978



16.1991, 19.4224, 3.9840



12.3029, 19.4224, 47.0701

Complementary

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



29.5012, 19.4224, 29.7978



25.7756, 39.8593, 26.4156

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.



10.5289, 19.4224, 28.6539



29.5012, 19.4224, 29.7978



12.4835, 19.4224, 6.7589

Square

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



29.5012, 19.4224, 29.7978



21.2749, 19.4224, 4.0657



10.5883, 19.4224, 14.3581



15.9058, 19.4224, 60.9169

Rectangle

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



29.5012, 19.4224, 29.7978



27.7713, 19.4224, 9.0621



10.5883, 19.4224, 14.3581



11.5049, 19.4224, 40.9172

Sweetspot

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



29.5018, 19.4234, 29.7982



72.9885, 67.7764, 82.6288



21.1277, 14.6537, 49.8592



15.3963, 14.0686, 17.3836



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.



29.5018, 19.4234, 29.7982



48.8898, 28.8755, 45.9360



26.3193, 18.1504, 13.0395



9.7624, 9.6293, 11.1378



16.1518, 8.0919, 11.3590



0.6643, 0.3296, 0.6113

Inverse Universe

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



29.5018, 19.4234, 29.7982



48.8898, 28.8755, 45.9360



30.0408, 41.5654, 48.8761



9.7624, 9.6293, 11.1378



16.1518, 8.0919, 11.3590



0.6643, 0.3296, 0.6113

Previews

White Background



This preview shows how the XYZ color 29.5012, 19.4224, 29.7978 looks on a white background.

Color Contrast Check

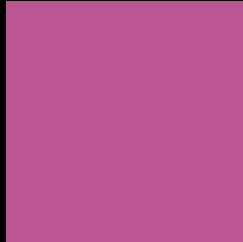
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5012, 19.4224, 29.7978 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 29.5012, 19.4224, 29.7978

Background



This preview shows how black text looks on a background with the XYZ color 29.5012, 19.4224, 29.7978.



This preview shows how white text looks on a background with the XYZ color 29.5012, 19.4224,

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

29.5012, 19.4224, 29.7978

Protanopia

20.3241, 19.7560, 42.2773

Deuteranopia

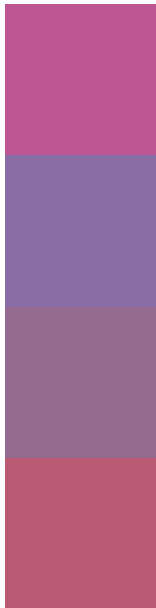
19.8620, 19.4767, 27.9118



Tritanopia

26.4981, 19.4580, 14.9295

Trichromacy



Original Color

29.5012, 19.4224, 29.7978

Protanomaly

22.2167, 18.6397, 37.5488

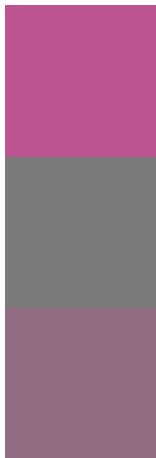
Deuteranomaly

22.4284, 18.7945, 28.4322

Tritanomaly

27.2608, 19.2293, 19.4144

Monochromacy



Original Color

29.5012, 19.4224, 29.7978

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.6661, 18.8063, 24.3178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5012, 19.4224, 29.7978 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(189, 85, 147)` looks like.

```
.text, #text, p{  
    color:rgb(189, 85, 147)  
}
```

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(189, 85, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 85, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.5012, 19.4224, 29.7978 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(189, 85, 147) }
```


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

```
.border{ border-color:rgb(189, 85, 147) }
```

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

Here you see how a box with a 4 pixel rgb(189, 85, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 85, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 85, 147);  
box-shadow:4px 4px 4px 4px rgb(189, 85,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5012, 19.4224, 29.7978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 85, 147) }
```

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

```
.background{ background-color: rgb(189, 85,  
147) }
```

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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