

Converting Colors

XYZ(29.0342, 18.9897, 36.9041)

Have a look what the booklet for
XYZ(29.0342, 18.9897, 36.9041)
contains.

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Color

**XYZ(29.1508, 19.0864,
36.7980)**

Conversions

Conversions Part 1

Format	Color
Hex	B655A3
RGB	182, 85, 163
RGB Percent	71%, 33%, 64%
CMY	0.2863, 0.6666, 0.3608
CMYK	0.00, 0.53, 0.10, 0.29
HSL	312°, 40%, 52%
HSV	312°, 53%, 71%
XYZ	29.1508, 19.0864, 36.7980
YIQ	122.8950, 32.7740, 44.8220

Conversions

Conversions Part 2

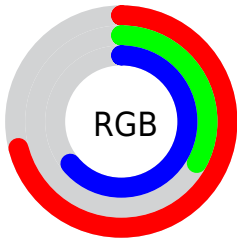
Format	Color
R _Y B	182, 85, 163
Decimal	11949475
CIE Lab	50.79, 49.31, -24.16
CIE LCh	51, 54.910, 333.898
Yxy	19.0864, 0.3428, 0.2245
Android (android.graphics.Color)	4290139555 (0xFFB655A3)
YUV	122.8950, 19.7718, 51.8351
Hunter-Lab	43.6880, 42.6501, -19.3578

Details

The XYZ color **29.1508, 19.0864, 36.7980** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.9738, 36.3874, 18.9107**, and the grayscale version is **18.7222, 19.6972, 21.4502**.

A 20% lighter version of the original color is **57.6785, 41.7642, 71.3510**, and **12.0859, 6.5883, 15.6736** is the 20% darker color. If you saturate the color by 10%, you get **27.5831, 16.4547, 34.7216**, and if you desaturate by 10%, it is **31.0973, 22.4605, 39.0454**.

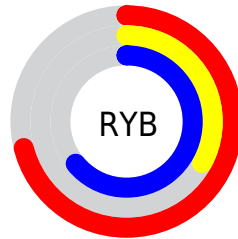
Distribution



Red (71%)

Green (33%)

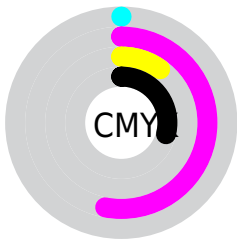
Blue (64%)



Red (71%)

Yellow (33%)

Blue (64%)



Cyan (0%)

Magenta (53%)

Yellow (10%)

Black (29%)



Cyan (29%)

Magenta (67%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1508, 19.0864, 36.7980 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 29.1508, 19.0864, 36.7980 by changing the saturation by 10% instead.

■ 29.1508, 19.0864,
36.7980

■ 29.1508, 19.0864,
36.7980

289.9072,
246.9253, 347.5775

■ 19.3398, 11.7327,
24.7566

■ 57.7125, 41.8800,
71.4449

■ 12.0215, 6.5620,
15.6784

■ 77.1939, 58.0888,
94.8874

■ 6.8306, 3.1897,
9.1450

■ 100.6294, 78.0180,
122.9673

■ 3.4018, 1.2316,
4.7378

■ 128.3845,
102.0522, 156.1032

■ 1.3696, 0.0873,
2.0382

■ 160.8245,
130.5756, 194.7136

■ 0.2344, 0.0000,
0.5786

198.3147,

■ 0.0000, 0.0000,

163.9726, 239.2171

0.0000

241.2205,
202.6277, 290.0322

■ 29.1508, 19.0864,
36.7980

■ 29.1508, 19.0864,
36.7980

■ 27.5831, 16.4547,
34.7216

■ 31.0973, 22.4605,
39.0454

■ 26.3633, 14.5048,
32.8051

■ 33.4464, 26.6258,
41.4717

■ 25.4587, 13.1714,
31.0374

■ 36.2225, 31.6303,
44.0854

■ 24.8297, 12.3748,
29.4049

■ 39.4472, 37.5172,
46.8941

■ 24.5072, 12.0314,
28.3674

■ 43.1407, 44.3270,
49.9050

■ 47.3220, 52.0973,
53.1246

■ 52.0090, 60.8641,
56.5594

■ 57.2188, 70.6610,
60.2152

■ 62.9674, 81.5205,
64.0978

Harmonies

Analogous

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



24.5681, 19.0864, 56.5135



29.1508, 19.0864, 36.7980



30.5935, 19.0864, 18.8257

Triad

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



29.1508, 19.0864, 36.7980



17.4445, 19.0864, 2.9944



10.8169, 19.0864, 42.1626

Complementary

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



29.1508, 19.0864, 36.7980



22.9738, 36.3874, 18.9107

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.



9.6303, 19.0864, 22.8690



29.1508, 19.0864, 36.7980



12.9457, 19.0864, 4.5838

Square

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



29.1508, 19.0864, 36.7980



23.1022, 19.0864, 3.8850



10.3247, 19.0864, 10.2541



13.9464, 19.0864, 60.5429

Rectangle

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



29.1508, 19.0864, 36.7980



29.3829, 19.0864, 10.9150



10.3247, 19.0864, 10.2541



10.2092, 19.0864, 35.3017

Sweetspot

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



29.1514, 19.0873, 36.7984



69.6893, 64.6694, 83.4643



17.2616, 12.7462, 45.8070



15.1239, 13.7930, 18.2026



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.



29.1514, 19.0873, 36.7984



49.5670, 29.1119, 62.3070



25.6766, 17.6974, 18.5004



9.3035, 9.1318, 10.9455



17.3301, 8.5058, 20.1571



0.6305, 0.3077, 0.8136

Inverse Universe

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



29.1514, 19.0873, 36.7984



49.5670, 29.1119, 62.3070



26.0840, 37.6315, 35.2887



9.3035, 9.1318, 10.9455



17.3301, 8.5058, 20.1571



0.6305, 0.3077, 0.8136

Previews

White Background



This preview shows how the XYZ color 29.1508, 19.0864, 36.7980 looks on a white background.

Color Contrast Check

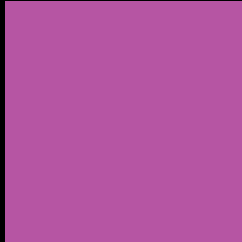
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1508, 19.0864, 36.7980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

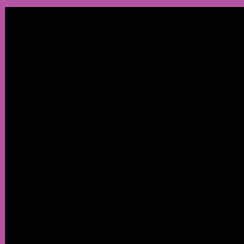
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.1508, 19.0864, 36.7980

Background



This preview shows how black text looks on a background with the XYZ color 29.1508, 19.0864, 36.7980.



This preview shows how white text looks on a background with the XYZ color 29.1508, 19.0864,

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

29.1508, 19.0864, 36.7980

Protanopia

20.6104, 19.3443, 51.3627

Deuteranopia

19.6221, 19.2054, 34.5711



Tritanopia

24.9679, 19.1944, 16.0246

Trichromacy



Original Color

29.1508, 19.0864, 36.7980

Protanomaly

22.2483, 18.3227, 45.5440

Deuteranomaly

22.1632, 18.5076, 35.2051

Tritanomaly

26.1936, 19.0027, 22.3660

Monochromacy



Original Color

29.1508, 19.0864, 36.7980

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.5577, 18.7015, 26.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1508, 19.0864, 36.7980 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(182, 85, 163)` looks like.

```
.text, #text, p{  
    color:rgb(182, 85, 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(182, 85, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 85, 163) }
```

Border

The CSS property to change the border of an element to XYZ 29.1508, 19.0864, 36.7980 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(182, 85, 163) }
```


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

```
.border{ border-color:rgb(182, 85, 163) }
```

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

Here you see how a box with a 4 pixel rgb(182, 85, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 85, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 85, 163);  
box-shadow:4px 4px 4px 4px rgb(182, 85,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1508, 19.0864, 36.7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 85, 163) }
```

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

```
.background{ background-color: rgb(182, 85,  
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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