

Converting Colors

XYZ(30.0952, 20.4567, 43.9245)

Have a look what the booklet for
XYZ(30.0952, 20.4567, 43.9245)
contains.

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Color

**XYZ(29.9816, 20.3501,
43.9427)**

Conversions

Conversions Part 1

Format	Color
Hex	B15DB1
RGB	177, 93, 177
RGB Percent	69%, 36%, 69%
CMY	0.3059, 0.6353, 0.3059
CMYK	0.00, 0.47, 0.00, 0.31
HSL	300°, 35%, 53%
HSV	300°, 47%, 69%
XYZ	29.9816, 20.3501, 43.9427
YIQ	127.6920, 23.1000, 43.9320

Conversions

Conversions Part 2

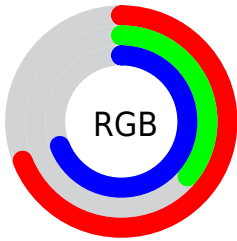
Format	Color
RYB	177, 93, 177
Decimal	11623857
CIELab	52.23, 46.26, -30.16
CIELCh	52, 55.227, 326.900
Yxy	20.3501, 0.3180, 0.2159
Android (android.graphics.Color)	4289813937 (0xFFB15DB1)
YUV	127.6920, 24.3088, 43.2431
Hunter-Lab	45.1111, 39.6898, -26.1766

Details

The XYZ color **29.9816, 20.3501, 43.9427** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.2130, 34.5625, 15.8575**, and the grayscale version is **20.3249, 21.3834, 23.2865**.

A 20% lighter version of the original color is **58.9185, 43.9334, 82.4654**, and **12.4571, 7.1787, 19.7978** is the 20% darker color. If you saturate the color by 10%, you get **28.6043, 17.5951, 43.4837**, and if you desaturate by 10%, it is **31.7198, 23.8260, 44.5224**.

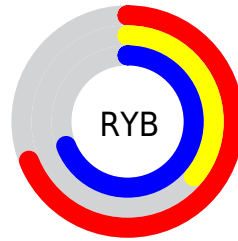
Distribution



Red (69%)

Green (36%)

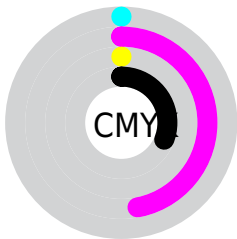
Blue (69%)



Red (69%)

Yellow (36%)

Blue (69%)

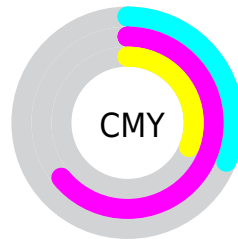


Cyan (0%)

Magenta (47%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (64%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9816, 20.3501, 43.9427 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 29.9816, 20.3501, 43.9427 by changing the saturation by 10% instead.

■ 29.9816, 20.3501,
43.9427

■ 29.9816, 20.3501,
43.9427

293.7300,
253.8042, 378.5089

■ 19.9726, 12.6498,
30.2886

■ 59.0199, 44.0034,
82.4331

■ 12.4833, 7.1878,
19.8038

■ 78.7799, 60.7251,
108.1064

■ 7.1483, 3.5798,
12.0699

■ 102.5211, 81.2228,
138.6233

■ 3.6021, 1.4414,
6.6682

■ 130.6086,
105.8808, 174.4022

■ 1.4796, 0.2470,
3.1802

163.4079,
135.0836, 215.8616

■ 0.3119, 0.0000,
1.1874

201.2843,

■ 0.0000, 0.0000,

169.2155, 263.4202

0.0000

244.6033,
208.6609, 317.4965

■ 29.9816, 20.3501,
43.9427

■ 29.9816, 20.3501,
43.9427

■ 28.6043, 17.5951,
43.4837

■ 31.7198, 23.8260,
44.5224

■ 27.5607, 15.5079,
43.1358

■ 33.8396, 28.0656,
45.2290

■ 26.8231, 14.0327,
42.8898

■ 36.3626, 33.1116,
46.0701

■ 26.3583, 13.1032,
42.7349

■ 39.3082, 39.0026,
47.0520

■ 26.1164, 12.6193,
42.6541

■ 42.6943, 45.7750,
48.1808

■ 26.0675, 12.5216,
42.6378

■ 46.5382, 53.4628,
49.4622

■ 50.8560, 62.0983,
50.9015

■ 55.6631, 71.7124,
52.5040

■ 60.9740, 82.3343,
54.2743

Harmonies

Analogous

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



24.7028, 20.3501, 63.2657



29.9816, 20.3501, 43.9427



32.3905, 20.3501, 23.8888

Triad

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



29.9816, 20.3501, 43.9427



19.9375, 20.3501, 3.3217



11.1612, 20.3501, 39.4878

Complementary

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



29.9816, 20.3501, 43.9427



22.2130, 34.5625, 15.8575

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.



10.3743, 20.3501, 20.5125



29.9816, 20.3501, 43.9427



14.8192, 20.3501, 4.3531

Square

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



29.9816, 20.3501, 43.9427



25.9239, 20.3501, 4.9488



11.5746, 20.3501, 9.1114



13.9809, 20.3501, 59.9292

Rectangle

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



29.9816, 20.3501, 43.9427



31.7536, 20.3501, 14.2678



11.5746, 20.3501, 9.1114



10.6773, 20.3501, 32.5239

Sweetspot

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



29.9823, 20.3510, 43.9431



66.7360, 62.5262, 83.0465



16.3652, 13.3312, 43.3062



14.2316, 13.0881, 17.9205



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.9823, 20.3510, 43.9431



51.1176, 31.2896, 77.8398



26.4198, 18.9260, 25.1832



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8921



0.5943, 0.2854, 0.9720

Inverse Universe

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



29.9823, 20.3510, 43.9431



51.1176, 31.2896, 77.8398



24.6103, 35.5215, 28.4819



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8921



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 29.9816, 20.3501, 43.9427 looks on a white background.

Color Contrast Check

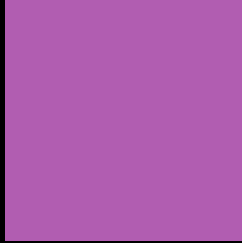
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9816, 20.3501, 43.9427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

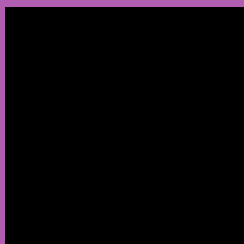
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9816, 20.3501, 43.9427

Background



This preview shows how black text looks on a background with the XYZ color 29.9816, 20.3501, 43.9427.



This preview shows how white text looks on a background with the XYZ color 29.9816, 20.3501,

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

29.9816, 20.3501, 43.9427

Protanopia

22.2363, 20.5630, 58.6742

Deuteranopia

20.9598, 20.4595, 41.8741



Tritanopia

24.7723, 20.2114, 19.1185

Trichromacy



Original Color

29.9816, 20.3501, 43.9427

Protanomaly

23.6223, 19.5042, 52.9717

Deuteranomaly

23.2657, 19.7127, 42.6231

Tritanomaly

26.3521, 20.1084, 26.5372

Monochromacy



Original Color

29.9816, 20.3501, 43.9427

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.1731, 20.4478, 29.9196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9816, 20.3501, 43.9427 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(177, 93, 177)` looks like.

```
.text, #text, p{  
    color:rgb(177, 93, 177)  
}
```

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(177, 93, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 93, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.9816, 20.3501, 43.9427 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(177, 93, 177) }
```


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

```
.border{ border-color:rgb(177, 93, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 93, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 93, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 93, 177);  
box-shadow:4px 4px 4px 4px rgb(177, 93,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9816, 20.3501, 43.9427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 93, 177) }
```

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

```
.background{ background-color: rgb(177, 93,  
177) }
```

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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