

Converting Colors

XYZ(29.7429, 19.3425, 44.8734)

Have a look what the booklet for
XYZ(29.7429, 19.3425, 44.8734)
contains.

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Color

**XYZ(29.8246, 19.3752,
44.8157)**

Conversions

Conversions Part 1

Format	Color
Hex	B256B3
RGB	178, 86, 179
RGB Percent	70%, 34%, 70%
CMY	0.3020, 0.6627, 0.2980
CMYK	0.01, 0.52, 0.00, 0.30
HSL	299°, 38%, 52%
HSV	299°, 52%, 70%
XYZ	29.8246, 19.3752, 44.8157
YIQ	124.1100, 24.9790, 48.4270

Conversions

Conversions Part 2

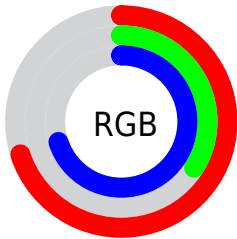
Format	Color
R_{YB}	178, 86, 179
Decimal	11687603
CIE _{Lab}	51.12, 50.44, -33.04
CIE _{LCh}	51, 60.301, 326.774
Yxy	19.3752, 0.3172, 0.2061
Android (android.graphics.Color)	4289877683 (0xFFB256B3)
YUV	124.1100, 27.0608, 47.2615
Hunter-Lab	44.0173, 43.9153, -29.5534

Details

The XYZ color **29.8246, 19.3752, 44.8157** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **21.7309, 34.9388, 14.4035**, and the grayscale version is **19.1023, 20.0971, 21.8857**.

A 20% lighter version of the original color is **58.8201, 42.2963, 83.6611**, and **12.4508, 6.7503, 20.3854** is the 20% darker color. If you saturate the color by 10%, you get **28.5265, 16.8439, 44.3958**, and if you desaturate by 10%, it is **31.4820, 22.6239, 45.3557**.

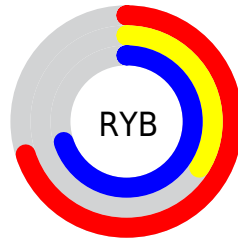
Distribution



Red (70%)

Green (34%)

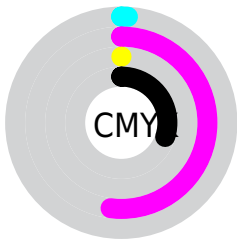
Blue (70%)



Red (70%)

Yellow (34%)

Blue (70%)

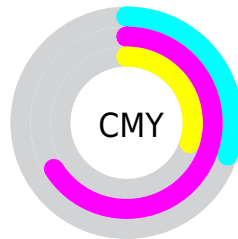


Cyan (1%)

Magenta (52%)

Yellow (0%)

Black (30%)



Cyan (30%)

Magenta (66%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8246, 19.3752, 44.8157 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 29.8246, 19.3752, 44.8157 by changing the saturation by 10% instead.

■ 29.8246, 19.3752,
44.8157

■ 29.8246, 19.3752,
44.8157

293.0105,
248.5123, 382.1650

■ 19.8529, 11.9417,
30.9704

■ 58.7732, 42.3671,
83.7593

■ 12.3958, 6.7040,
20.3180

■ 78.4808, 58.6944,
109.6947

■ 7.0880, 3.2777,
12.4401

■ 102.1645, 78.7550,
140.4971

■ 3.5640, 1.2784,
6.9180

■ 130.1895,
102.9333, 176.5853

■ 1.4586, 0.1244,
3.3332

162.9213,
131.6139, 218.3776

■ 0.2974, 0.0000,
1.2672

200.7251,

■ 0.0000, 0.0000,

165.1809, 266.2926

0.0347

243.9664,
204.0190, 320.7489

■ 0.0000, 0.0000,
0.0000

■ 29.8246, 19.3752,
44.8157

■ 29.8246, 19.3752,
44.8157

■ 28.5265, 16.8439,
44.3958

■ 31.4820, 22.6239,
45.3557

■ 27.5584, 14.9731,
44.0857

■ 33.5211, 26.6364,
46.0227

■ 26.8898, 13.7012,
43.8755

■ 35.9648, 31.4581,
46.8246

■ 26.4837, 12.9542,
43.7527

■ 38.8336, 37.1300,
47.7682

■ 26.2859, 12.6109,
43.6968

■ 42.1469, 43.6906,
48.8599

■ 45.9225, 51.1759,
50.1057

■ 50.1776, 59.6198,
51.5113

■ 54.9281, 69.0547,
53.0820

■ 60.1896, 79.5114,
54.8230

Harmonies

Analogous

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



24.1048, 19.3752, 66.3574



29.8246, 19.3752, 44.8157



32.4701, 19.3752, 23.0070

Triad

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



29.8246, 19.3752, 44.8157



19.0712, 19.3752, 2.3298



9.9297, 19.3752, 39.7111

Complementary

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



29.8246, 19.3752, 44.8157



21.7309, 34.9388, 14.4035

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.



9.1456, 19.3752, 19.2944



29.8246, 19.3752, 44.8157



13.7003, 19.3752, 3.2270

Square

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



29.8246, 19.3752, 44.8157



25.4729, 19.3752, 3.7874



10.3652, 19.3752, 7.6948



12.7993, 19.3752, 62.4526

Rectangle

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



29.8246, 19.3752, 44.8157



31.7865, 19.3752, 12.9387



10.3652, 19.3752, 7.6948



9.4446, 19.3752, 32.1162

Sweetspot

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



29.8253, 19.3761, 44.8161



67.2358, 61.9218, 84.7896



15.4281, 12.1398, 44.1782



14.6662, 13.2643, 18.7095



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.8253, 19.3761, 44.8161



50.8723, 29.7445, 79.4412



26.2254, 17.9627, 24.6583



8.8408, 8.6420, 10.7084



18.5785, 8.9134, 30.8782



0.5874, 0.2819, 0.9717

Inverse Universe

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



23.6391, 16.9282, 11.0390



38.6331, 24.9066, 12.3828



24.0518, 35.8564, 27.1091



8.4999, 8.5067, 8.8652



13.1459, 6.7759, 0.6622



0.4148, 0.2137, 0.0272

Previews

White Background



This preview shows how the XYZ color 29.8246, 19.3752, 44.8157 looks on a white background.

Color Contrast Check

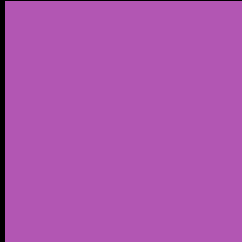
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8246, 19.3752, 44.8157 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 29.8246, 19.3752, 44.8157

Background



This preview shows how black text looks on a background with the XYZ color 29.8246, 19.3752, 44.8157.



This preview shows how white text looks on a background with the XYZ color 29.8246, 19.3752,

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

29.8246, 19.3752, 44.8157

Protanopia

21.6381, 19.6325, 62.3235

Deuteranopia

20.0891, 19.6349, 42.2663



Tritanopia

24.2971, 19.3942, 17.5018

Trichromacy



Original Color

29.8246, 19.3752, 44.8157



Protanomaly

22.8070, 18.3982, 55.1725



Deuteranomaly

22.4605, 18.6456, 42.9726



Tritanomaly

25.9522, 19.2112, 25.6329

Monochromacy



Original Color

29.8246, 19.3752, 44.8157



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.1116, 19.0948, 28.9058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8246, 19.3752, 44.8157 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(178, 86, 179)` looks like.

```
.text, #text, p{  
    color:rgb(178, 86, 179)  
}
```

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(178, 86, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 86, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.8246, 19.3752, 44.8157 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(178, 86, 179) }
```


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

```
.border{ border-color:rgb(178, 86, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 86, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 86, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 86, 179);  
box-shadow:4px 4px 4px 4px rgb(178, 86,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8246, 19.3752, 44.8157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 86, 179) }
```

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

```
.background{ background-color: rgb(178, 86,  
179) }
```

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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