

Converting Colors

XYZ(29.8566, 18.5906, 45.1947)

Have a look what the booklet for
XYZ(29.8566, 18.5906, 45.1947)
contains.

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Color

**XYZ(29.8566, 18.5906,
45.1947)**

Conversions

Conversions Part 1

Format	Color
Hex	B44FB4
RGB	180, 79, 180
RGB Percent	71%, 31%, 71%
CMY	0.2941, 0.6902, 0.2941
CMYK	0.00, 0.56, 0.00, 0.29
HSL	300°, 40%, 51%
HSV	300°, 56%, 71%
XYZ	29.8566, 18.5906, 45.1947
YIQ	120.7130, 27.7750, 52.8230

Conversions

Conversions Part 2

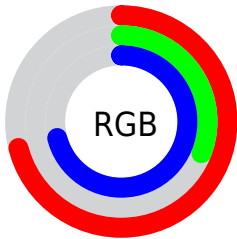
Format	Color
R_{YB}	180, 79, 180
Decimal	11816884
CIE _{Lab}	50.20, 54.52, -35.04
CIE _{LCh}	50, 64.814, 327.270
Yxy	18.5906, 0.3188, 0.1985
Android (android.graphics.Color)	4290006964 (0xFFB44FB4)
YUV	120.7130, 29.2285, 51.9947
Hunter-Lab	43.1168, 48.1494, -31.9655

Details

The XYZ color **29.8566, 18.5906, 45.1947** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **20.9579, 34.8701, 13.0243**, and the grayscale version is **17.9848, 18.9214, 20.6054**.

A 20% lighter version of the original color is **58.7877, 41.0083, 84.1738**, and **12.3931, 6.3177, 20.6449** is the 20% darker color. If you saturate the color by 10%, you get **28.7299, 16.3368, 44.8192**, and if you desaturate by 10%, it is **31.3361, 21.5491, 45.6881**.

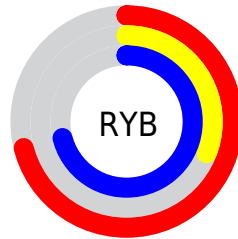
Distribution



Red (71%)

Green (31%)

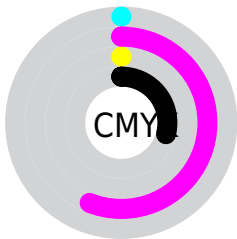
Blue (71%)



Red (71%)

Yellow (31%)

Blue (71%)

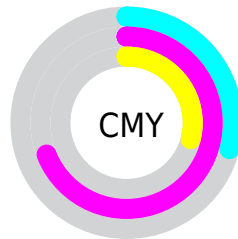


Cyan (0%)

Magenta (56%)

Yellow (0%)

Black (29%)



Cyan (29%)

Magenta (69%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8566, 18.5906, 45.1947 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 29.8566, 18.5906, 45.1947 by changing the saturation by 10% instead.

■ 29.8566, 18.5906,
45.1947

■ 29.8566, 18.5906,
45.1947

293.1573,
244.1792, 383.7446

■ 19.8773, 11.3748,
31.2667

■ 58.8235, 41.0412,
84.3340

■ 12.4136, 6.3195,
20.5419

■ 78.5418, 57.0447,
110.3825

■ 7.1002, 3.0403,
12.6016

■ 102.2372, 76.7464,
141.3082

■ 3.5718, 1.1528,
7.0273

■ 130.2750,
100.5305, 177.5298

■ 1.4628, 0.0227,
3.4005

■ 163.0205,
128.7814, 219.4656

■ 0.3003, 0.0000,
1.3026

200.8392,

■ 0.0000, 0.0000,

161.8836, 267.5344

0.0639

244.0963,
200.2214, 322.1545

■ 0.0000, 0.0000,
0.0000

■ 29.8566, 18.5906,
45.1947

■ 29.8566, 18.5906,
45.1947

■ 28.7299, 16.3368,
44.8192

■ 31.3361, 21.5491,
45.6881

■ 27.9249, 14.7268,
44.5508

■ 33.1923, 25.2614,
46.3069

■ 27.4086, 13.6942,
44.3787

■ 35.4492, 29.7753,
47.0593

■ 27.1369, 13.1508,
44.2880

■ 38.1285, 35.1338,
47.9524

■ 27.0609, 12.9987,
44.2627

■ 41.2500, 41.3768,
48.9930

■ 44.8325, 48.5419,
50.1872

■ 48.8937, 56.6642,
51.5410

■ 53.4503, 65.7773,
53.0600

■ 58.5181, 75.9130,
54.7493

Harmonies

Analogous

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



23.7804, 18.5906, 68.9623



29.8566, 18.5906, 45.1947



32.6308, 18.5906, 21.9290

Triad

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



29.8566, 18.5906, 45.1947



18.2494, 18.5906, 1.6413



8.9832, 18.5906, 40.5079

Complementary

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



29.8566, 18.5906, 45.1947



20.9579, 34.8701, 13.0243

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.



8.1656, 18.5906, 18.6438



29.8566, 18.5906, 45.1947



12.7074, 18.5906, 2.4594

Square

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



29.8566, 18.5906, 45.1947



25.0117, 18.5906, 2.8847



9.3534, 18.5906, 6.7366



11.9268, 18.5906, 65.3106

Rectangle

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



29.8566, 18.5906, 45.1947



31.8408, 18.5906, 11.6339



9.3534, 18.5906, 6.7366



8.4860, 18.5906, 32.3015

Sweetspot

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



29.8573, 18.5914, 45.1951



68.5186, 62.4732, 86.7416



14.2596, 10.5505, 44.4655



14.5935, 13.0711, 18.6760



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.



29.8573, 18.5914, 45.1951



51.7497, 28.9356, 81.1513



25.6150, 16.8945, 22.8556



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Inverse Universe

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



29.8573, 18.5914, 45.1951



51.7497, 28.9356, 81.1513



23.5423, 35.9039, 26.6340



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 29.8566, 18.5906, 45.1947 looks on a white background.

Color Contrast Check

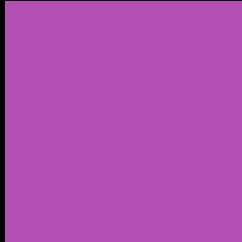
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8566, 18.5906, 45.1947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

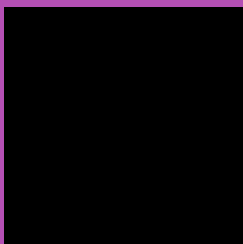
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8566, 18.5906, 45.1947

Background



This preview shows how black text looks on a background with the XYZ color 29.8566, 18.5906, 45.1947.

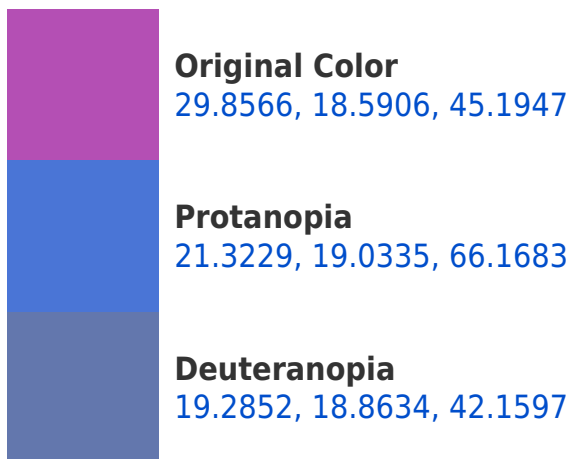


This preview shows how white text looks on a background with the XYZ color 29.8566, 18.5906,

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





Tritanopia

23.8579, 18.6222, 15.9727

Trichromacy



Original Color

29.8566, 18.5906, 45.1947



Protanomaly

22.3210, 17.4755, 58.0738



Deuteranomaly

21.6889, 17.6244, 43.3330



Tritanomaly

25.5163, 18.3464, 24.3867

Monochromacy



Original Color

29.8566, 18.5906, 45.1947



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.1918, 18.0118, 27.9509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8566, 18.5906, 45.1947 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(180, 79, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 79, 180)  
}
```

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(180, 79, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 79, 180) }
```

Border

The CSS property to change the border of an element to XYZ 29.8566, 18.5906, 45.1947 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(180, 79, 180) }
```


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

```
.border{ border-color:rgb(180, 79, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 79, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 79, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 79, 180); box-shadow:4px 4px 4px 4px rgb(180, 79, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8566, 18.5906, 45.1947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 79, 180) }
```

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

```
.background{ background-color: rgb(180, 79,  
180) }
```

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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