

Converting Colors

XYZ(29.6100, 14.5437, 45.1422)

Have a look what the booklet for
XYZ(29.6100, 14.5437, 45.1422)
contains.

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Color

**XYZ(29.4976, 14.4967,
44.9595)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0FB5
RGB	189, 15, 181
RGB Percent	74%, 6%, 71%
CMY	0.2588, 0.9411, 0.2902
CMYK	0.00, 0.92, 0.04, 0.26
HSL	303°, 85%, 40%
HSV	303°, 92%, 74%
XYZ	29.4976, 14.4967, 44.9595
YIQ	85.9500, 50.4180, 88.5140

Conversions

Conversions Part 2

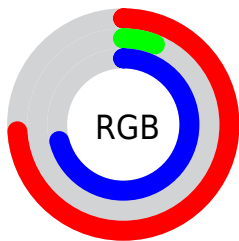
Format	Color
R_{YB}	189, 15, 181
Decimal	12390325
CIE _{Lab}	44.94, 75.86, -43.87
CIE _{LCh}	45, 87.632, 329.962
Yxy	14.4967, 0.3316, 0.1630
Android (android.graphics.Color)	4290580405 (0xFFBD0FB5)
YUV	85.9500, 46.8596, 90.3748
Hunter-Lab	38.0745, 71.6594, -43.3592

Details

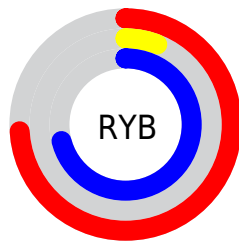
The XYZ color **29.4976, 14.4967, 44.9595** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.5500, 36.5593, 6.8907**, and the grayscale version is **8.7337, 9.1885, 10.0063**.

A 20% lighter version of the original color is **58.1801, 33.9085, 83.5993**, and **13.1908, 6.3576, 20.6106** is the 20% darker color. If you saturate the color by 10%, you get **29.2563, 14.1269, 44.5303**, and if you desaturate by 10%, it is **29.9863, 15.3305, 45.5639**.

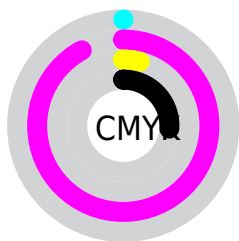
Distribution



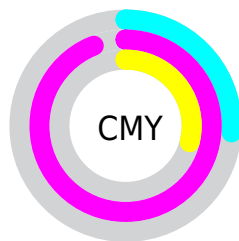
- Red (74%)
- Green (6%)
- Blue (71%)



- Red (74%)
- Yellow (6%)
- Blue (71%)



- Cyan (0%)
- Magenta (92%)
- Yellow (4%)
- Black (26%)





- Cyan (26%)
- Magenta (94%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4976, 14.4967, 44.9595 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 29.4976, 14.4967, 44.9595 by changing the saturation by 10% instead.


 29.4976, 14.4967,
44.9595


 29.4976, 14.4967,
44.9595


291.5076,
220.2993, 382.7649


 19.6037, 8.4669,
31.0828


 58.2588, 33.9678,
83.9774


 12.2139, 4.3952,
20.4029


 77.8570, 48.1779,
109.9558


 6.9628, 1.8970,
12.5013


 101.4205, 65.8836,
140.8051

 3.4850, 0.5466,
6.9594

 129.3149, 87.4692,
176.9439

 1.4151, 0.0000,
3.3586

 161.9054,
113.3192, 218.7907

 0.2669, 0.0000,
1.2806

 199.5575,

 0.0000, 0.0000,

143.8180, 266.7641

0.0458

242.6364,
179.3499, 321.2826

■ 0.0000, 0.0000,
0.0000

■ 29.4976, 14.4967,
44.9595

■ 29.4976, 14.4967,
44.9595

■ 29.2563, 14.1269,
44.5303

■ 29.9863, 15.3305,
45.5639

■ 30.7715, 16.7569,
46.2698

■ 31.8966, 18.8619,
47.0917

■ 33.3971, 21.7172,
48.0416

■ 35.3045, 25.3852,
49.1298

■ 37.6466, 29.9217,
50.3657

■ 40.4490, 35.3779,
51.7578

■ 43.7351, 41.8008,
53.3140

■ 47.5270, 49.2341,
55.0415

Harmonies

Analogous

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



21.8775, 14.4967, 80.6852



29.4976, 14.4967, 44.9595



32.6826, 14.4967, 15.8109

Triad

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



29.4976, 14.4967, 44.9595



13.7879, 14.4967, 0.0000



4.9514, 14.4967, 44.8674

Complementary

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



29.4976, 14.4967, 44.9595



18.5500, 36.5593, 6.8907

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.



4.0771, 14.4967, 15.7580



29.4976, 14.4967, 44.9595



7.9750, 14.4967, 0.1088

Square

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



29.4976, 14.4967, 44.9595



21.8994, 14.4967, 0.1130



4.9561, 14.4967, 3.1193



7.9639, 14.4967, 80.6066

Rectangle

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



29.4976, 14.4967, 44.9595



31.2310, 14.4967, 5.7758



4.9561, 14.4967, 3.1193



4.4562, 14.4967, 33.4720

Sweetspot

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



29.4982, 14.4974, 44.9598



69.1362, 56.9173, 91.0697



9.6620, 4.1739, 48.4411



14.4290, 11.3875, 19.3619



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.



29.4982, 14.4974, 44.9598



52.3721, 25.2908, 79.6190



23.2787, 12.0096, 12.2086



9.9105, 9.6885, 11.9177



19.6923, 9.5081, 30.0030



0.7773, 0.3748, 1.2063

Inverse Universe

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



29.4982, 14.4974, 44.9598



52.3721, 25.2908, 79.6190



21.0918, 37.5761, 20.2757



9.9105, 9.6885, 11.9177



19.6923, 9.5081, 30.0030



0.7773, 0.3748, 1.2063

Previews

White Background



This preview shows how the XYZ color 29.4976, 14.4967, 44.9595 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

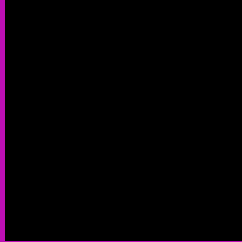
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.4976, 14.4967, 44.9595

Background



This preview shows how black text looks on a background with the XYZ color 29.4976, 14.4967, 44.9595.



This preview shows how white text looks on a background with the XYZ color 29.4976, 14.4967,

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

29.4976, 14.4967, 44.9595

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

15.3659, 15.0439, 40.1241



Tritanopia

22.0170, 14.6355, 8.6857

Trichromacy



Original Color

29.4976, 14.4967, 44.9595



Protanomaly

15.9122, 10.3562, 59.5528



Deuteranomaly

17.1590, 11.5984, 41.3787



Tritanomaly

23.5697, 13.5505, 17.5929

Monochromacy



Original Color

29.4976, 14.4967, 44.9595



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

13.2354, 8.8231, 19.0946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4976, 14.4967, 44.9595 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, 15, 181)` looks like.

```
.text, #text, p{  
    color:rgb(189, 15, 181)  
}
```

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, 15, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 15, 181) }
```

Border

The CSS property to change the border of an element to XYZ 29.4976, 14.4967, 44.9595 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, 15, 181) }
```


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

```
.border{ border-color:rgb(189, 15, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 15, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 15, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 15, 181);  
box-shadow:4px 4px 4px 4px rgb(189, 15,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4976, 14.4967, 44.9595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 15, 181) }
```

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

```
.background{ background-color: rgb(189, 15,  
181) }
```

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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