

Converting Colors

XYZ(29.5956, 14.5709, 47.7629)

Have a look what the booklet for
XYZ(29.5956, 14.5709, 47.7629)
contains.

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Color

**XYZ(29.5893, 14.5757,
47.7082)**

Conversions

Conversions Part 1

Format	Color
Hex	BB13BA
RGB	187, 19, 186
RGB Percent	73%, 7%, 73%
CMY	0.2667, 0.9254, 0.2706
CMYK	0.00, 0.90, 0.01, 0.27
HSL	300°, 82%, 40%
HSV	300°, 90%, 73%
XYZ	29.5893, 14.5757, 47.7082
YIQ	88.2700, 46.5210, 87.5530

Conversions

Conversions Part 2

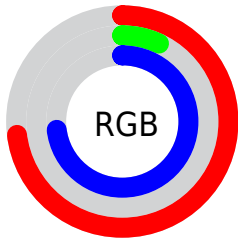
Format	Color
R_{YB}	187, 19, 186
Decimal	12260282
CIE _{Lab}	45.05, 75.74, -46.65
CIE _{LCh}	45, 88.951, 328.368
Yxy	14.5757, 0.3221, 0.1587
Android (android.graphics.Color)	4290450362 (0xFFBB13BA)
YUV	88.2700, 48.1809, 86.5862
Hunter-Lab	38.1781, 71.5316, -47.3653

Details

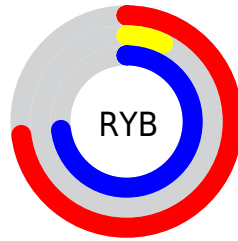
The XYZ color **29.5893, 14.5757, 47.7082** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.1658, 35.7303, 6.6018**, and the grayscale version is **9.2276, 9.7081, 10.5721**.

A 20% lighter version of the original color is **58.4498, 34.0739, 88.2903**, and **13.2181, 6.3331, 22.3555** is the 20% darker color. If you saturate the color by 10%, you get **29.3483, 14.1122, 47.5695**, and if you desaturate by 10%, it is **30.0527, 15.4829, 47.9212**.

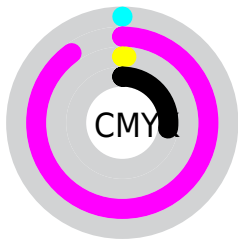
Distribution



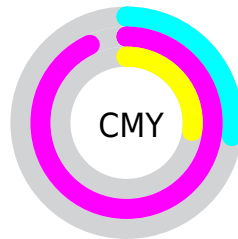
- Red (73%)
- Green (7%)
- Blue (73%)



- Red (73%)
- Yellow (7%)
- Blue (73%)



- Cyan (0%)
- Magenta (90%)
- Yellow (1%)
- Black (27%)





- Cyan (27%)
- Magenta (93%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5893, 14.5757, 47.7082 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 29.5893, 14.5757, 47.7082 by changing the saturation by 10% instead.

 29.5893, 14.5757,
47.7082


 29.5893, 14.5757,
47.7082


291.9297,
220.7835, 394.1096

 19.6736, 8.5221,
33.2375


 58.4032, 34.1071,
88.1308

 12.2649, 4.4308,
22.0359


 78.0320, 48.3537,
114.9198


 6.9978, 1.9174,
13.6847


 101.6293, 66.1002,
146.6520

 3.5071, 0.5588,
7.7654

 129.5604, 87.7308,
183.7459

 1.4272, 0.0000,
3.8596

 162.1906,
113.6301, 226.6201

 0.2755, 0.0000,
1.5487

 199.8853,

 0.0000, 0.0000,

144.1824, 275.6931

0.2538

243.0099,
179.7720, 331.3834

■ 0.0000, 0.0000,
0.0000

■ 29.5893, 14.5757,
47.7082

■ 29.5893, 14.5757,
47.7082

■ 29.3483, 14.1122,
47.5695

■ 30.0527, 15.4829,
47.9212

■ 29.3447, 14.1053,
47.5674

■ 30.8149, 16.9884,
48.2338

■ 31.9163, 19.1722,
48.6595

■ 33.3905, 22.1017,
49.2095

■ 35.2673, 25.8363,
49.8938

■ 37.5733, 30.4292,
50.7211

■ 40.3328, 35.9292,
51.6997

■ 43.5685, 42.3814,
52.8370

■ 47.3012, 49.8278,
54.1401

Harmonies

Analogous

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



21.6587, 14.5757, 84.1292



29.5893, 14.5757, 47.7082



33.1776, 14.5757, 17.0442

Triad

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



29.5893, 14.5757, 47.7082



14.2578, 14.5757, 0.0000



4.8040, 14.5757, 43.6922

Complementary

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



29.5893, 14.5757, 47.7082



18.1658, 35.7303, 6.6018

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.



4.0209, 14.5757, 14.7519



29.5893, 14.5757, 47.7082



8.1932, 14.5757, 0.0000

Square

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



29.5893, 14.5757, 47.7082



22.6057, 14.5757, 0.1351



5.0042, 14.5757, 2.7392



7.7145, 14.5757, 80.6931

Rectangle

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



29.5893, 14.5757, 47.7082



31.9227, 14.5757, 6.2680



5.0042, 14.5757, 2.7392



4.3403, 14.5757, 32.2262

Sweetspot

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



29.5899, 14.5764, 47.7085



68.4009, 56.7060, 91.2347



9.4717, 4.1928, 47.3244



14.7170, 11.7982, 19.9681



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.



29.5899, 14.5764, 47.7085



52.5521, 25.2608, 85.1737



23.1755, 12.0106, 13.9309



9.9275, 9.6953, 12.0071



20.2195, 9.7190, 32.7793



0.7928, 0.3810, 1.2882

Inverse Universe

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



29.5899, 14.5764, 47.7085



52.5521, 25.2608, 85.1737



20.4880, 36.6592, 18.8302



9.9275, 9.6953, 12.0071



20.2195, 9.7190, 32.7793



0.7928, 0.3810, 1.2882

Previews

White Background



This preview shows how the XYZ color 29.5893, 14.5757, 47.7082 looks on a white background.

Color Contrast Check

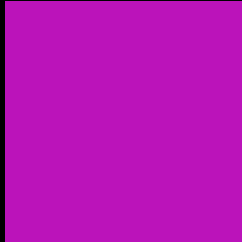
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.5893, 14.5757, 47.7082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

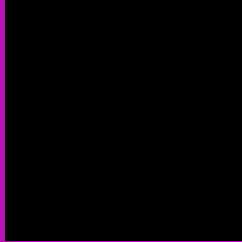
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.5893, 14.5757, 47.7082

Background



This preview shows how black text looks on a background with the XYZ color 29.5893, 14.5757, 47.7082.



This preview shows how white text looks on a background with the XYZ color 29.5893, 14.5757,

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

29.5893, 14.5757, 47.7082

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

15.4152, 15.0136, 42.6429



Tritanopia

21.5393, 14.5760, 9.0753

Trichromacy



Original Color

29.5893, 14.5757, 47.7082



Protanomaly

16.1516, 10.5481, 60.8592



Deuteranomaly

17.2767, 11.8031, 44.0155



Tritanomaly

23.1796, 13.5300, 18.5294

Monochromacy



Original Color

29.5893, 14.5757, 47.7082



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

13.7278, 9.2953, 20.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5893, 14.5757, 47.7082 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(187, 19, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 19, 186)  
}
```

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(187, 19, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 19, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.5893, 14.5757, 47.7082 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(187, 19, 186) }
```


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

```
.border{ border-color:rgb(187, 19, 186) }
```

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

Here you see how a box with a 4 pixel rgb(187, 19, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 19, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 19, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 19,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5893, 14.5757, 47.7082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 19, 186) }
```

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

```
.background{ background-color: rgb(187, 19,  
186) }
```

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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