

Converting Colors

XYZ(27.9262, 14.3938, 44.3923)

Have a look what the booklet for
XYZ(27.9262, 14.3938, 44.3923)
contains.

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Color

**XYZ(27.9252, 14.3808,
44.4840)**

Conversions

Conversions Part 1

Format	Color
Hex	B524B4
RGB	181, 36, 180
RGB Percent	71%, 14%, 71%
CMY	0.2902, 0.8588, 0.2941
CMYK	0.00, 0.80, 0.01, 0.29
HSL	300°, 67%, 43%
HSV	300°, 80%, 71%
XYZ	27.9252, 14.3808, 44.4840
YIQ	95.7710, 40.1960, 75.5240

Conversions

Conversions Part 2

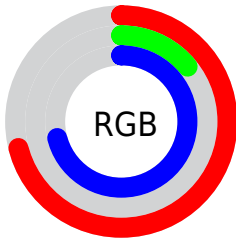
Format	Color
R_{YB}	181, 36, 180
Decimal	11871412
CIE _{Lab}	44.77, 70.44, -43.62
CIE _{LCh}	45, 82.851, 328.231
Yxy	14.3808, 0.3218, 0.1657
Android (android.graphics.Color)	4290061492 (0xFFB524B4)
YUV	95.7710, 41.5249, 74.7458
Hunter-Lab	37.9220, 65.0811, -43.0040

Details

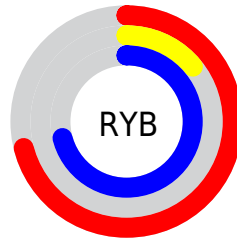
The XYZ color **27.9252, 14.3808, 44.4840** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.5861, 33.5572, 7.3013**, and the grayscale version is **10.9599, 11.5307, 12.5569**.

A 20% lighter version of the original color is **55.6327, 33.6957, 82.9286**, and **12.0781, 5.7914, 20.2199** is the 20% darker color. If you saturate the color by 10%, you get **27.4967, 13.5438, 44.2785**, and if you desaturate by 10%, it is **28.6316, 15.7727, 44.7824**.

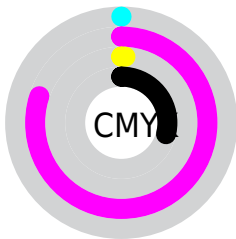
Distribution



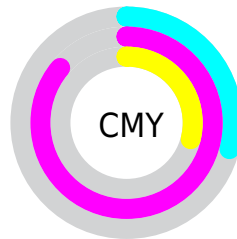
- Red (71%)
- Green (14%)
- Blue (71%)



- Red (71%)
- Yellow (14%)
- Blue (71%)



- Cyan (0%)
- Magenta (80%)
- Yellow (1%)
- Black (29%)




- Cyan (29%)
- Magenta (86%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9252, 14.3808, 44.4840 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 27.9252, 14.3808, 44.4840 by changing the saturation by 10% instead.

 27.9252, 14.3808,
44.4840

 27.9252, 14.3808,
44.4840


284.1959,
219.5871, 380.7787


 18.4094, 8.3860,
30.7112


 55.7745, 33.7632,
83.2558


 11.3458, 4.3429,
20.1224


 74.8387, 47.9196,
109.0918


 6.3689, 1.8672,
12.2991


 97.8165, 65.5652,
139.7861

 3.1135, 0.5285,
6.8227

 125.0732, 87.0846,
175.7570

 1.2141, 0.0000,
3.2747

 156.9741,
112.8621, 217.4232

 0.1174, 0.0000,
1.2366

 193.8846,

 0.0000, 0.0000,

143.2821, 265.2032

0.0089

236.1701,
178.7290, 319.5155

■ 0.0000, 0.0000,
0.0000

■ 27.9252, 14.3808,
44.4840

■ 27.9252, 14.3808,
44.4840

■ 27.4967, 13.5438,
44.2785

■ 28.6316, 15.7727,
44.7824

■ 27.2693, 13.1091,
44.1406

■ 29.6510, 17.7911,
45.1851

■ 31.0151, 20.4990,
45.7028

■ 32.7514, 23.9511,
46.3445

■ 34.8845, 28.1969,
47.1186

■ 37.4370, 33.2813,
48.0326

■ 40.4296, 39.2461,
49.0933

■ 43.8820, 46.1303,
50.3073

■ 47.8123, 53.9703,
51.6807

Harmonies

Analogous

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



20.7669, 14.3808, 76.4734



27.9252, 14.3808, 44.4840



31.1612, 14.3808, 16.8329

Triad

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



27.9252, 14.3808, 44.4840



14.0727, 14.3808, 0.0000



5.1304, 14.3808, 40.6186

Complementary

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



27.9252, 14.3808, 44.4840



17.5861, 33.5572, 7.3013

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.



4.3717, 14.3808, 14.5396



27.9252, 14.3808, 44.4840



8.4058, 14.3808, 0.2937

Square

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



27.9252, 14.3808, 44.4840



21.6968, 14.3808, 0.4725



5.3415, 14.3808, 3.1140



7.9143, 14.3808, 73.2205

Rectangle

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



27.9252, 14.3808, 44.4840



30.0575, 14.3808, 6.6755



5.3415, 14.3808, 3.1140



4.6802, 14.3808, 30.3899

Sweetspot

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



27.9258, 14.3815, 44.4843



64.9900, 55.5055, 85.2894



9.6996, 4.9737, 44.1656



13.7062, 11.3185, 18.3120



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.



27.9258, 14.3815, 44.4843



48.9453, 23.6836, 79.1163



22.4212, 12.1796, 15.4978



8.8475, 8.6457, 10.6952



18.7998, 9.0375, 30.4351



0.5923, 0.2847, 0.9619

Inverse Universe

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



27.9258, 14.3815, 44.4843



48.9453, 23.6836, 79.1163



19.9857, 34.5170, 19.9377



8.8475, 8.6457, 10.6952



18.7998, 9.0375, 30.4351



0.5923, 0.2847, 0.9619

Previews

White Background



This preview shows how the XYZ color 27.9252, 14.3808, 44.4840 looks on a white background.

Color Contrast Check

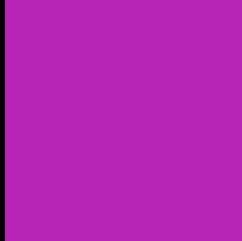
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9252, 14.3808, 44.4840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

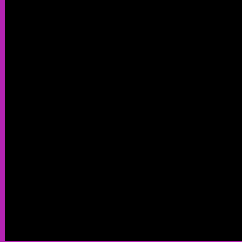
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9252, 14.3808, 44.4840

Background



This preview shows how black text looks on a background with the XYZ color 27.9252, 14.3808, 44.4840.



This preview shows how white text looks on a background with the XYZ color 27.9252, 14.3808,

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

27.9252, 14.3808, 44.4840

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

15.1119, 14.7573, 40.0822



Tritanopia

20.7544, 14.4630, 9.6804

Trichromacy



Original Color

27.9252, 14.3808, 44.4840



Protanomaly

16.0622, 11.1580, 59.0647



Deuteranomaly

17.1380, 12.3204, 41.5192



Tritanomaly

22.4482, 13.7519, 18.6108

Monochromacy



Original Color

27.9252, 14.3808, 44.4840



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

15.0319, 10.9419, 21.3984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9252, 14.3808, 44.4840 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(181, 36, 180)` looks like.

```
.text, #text, p{  
    color:rgb(181, 36, 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(181, 36, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 36, 180) }
```

Border

The CSS property to change the border of an element to XYZ 27.9252, 14.3808, 44.4840 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(181, 36, 180) }
```


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

```
.border{ border-color:rgb(181, 36, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 36, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 36, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 36, 180); box-shadow:4px 4px 4px 4px rgb(181, 36, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9252, 14.3808, 44.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 36, 180) }
```

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

```
.background{ background-color: rgb(181, 36,  
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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