

Converting Colors

XYZ(27.9116, 18.4801, 40.6145)

Have a look what the booklet for
XYZ(27.9116, 18.4801, 40.6145)
contains.

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Color

**XYZ(27.9121, 18.4801,
40.6240)**

Conversions

Conversions Part 1

Format	Color
Hex	AD56AB
RGB	173, 86, 171
RGB Percent	68%, 34%, 67%
CMY	0.3216, 0.6627, 0.3294
CMYK	0.00, 0.50, 0.01, 0.32
HSL	301°, 35%, 51%
HSV	301°, 50%, 68%
XYZ	27.9121, 18.4801, 40.6240
YIQ	121.7030, 24.5670, 44.8790

Conversions

Conversions Part 2

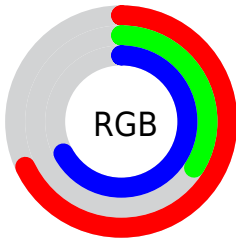
Format	Color
R_{YB}	173, 86, 171
Decimal	11359915
CIE _{Lab}	50.07, 47.55, -30.06
CIE _{LCh}	50, 56.252, 327.696
Yxy	18.4801, 0.3208, 0.2124
Android (android.graphics.Color)	4289549995 (0xFFAD56AB)
YUV	121.7030, 24.3034, 44.9875
Hunter-Lab	42.9885, 40.6689, -25.9369

Details

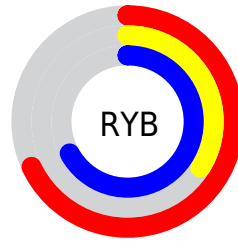
The XYZ color **27.9121, 18.4801, 40.6240** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **20.5436, 32.5709, 14.4376**, and the grayscale version is **18.3204, 19.2745, 20.9899**.

A 20% lighter version of the original color is **55.7309, 40.8343, 77.6175**, and **11.2851, 6.2473, 17.7506** is the 20% darker color. If you saturate the color by 10%, you get **26.6567, 16.0295, 40.0189**, and if you desaturate by 10%, it is **29.5032, 21.6010, 41.3419**.

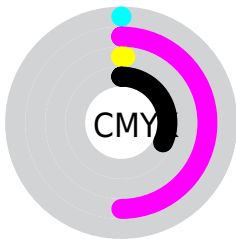
Distribution



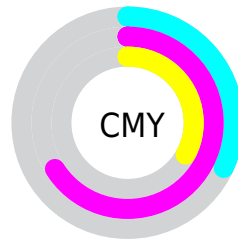
- Red (68%)
- Green (34%)
- Blue (67%)



- Red (68%)
- Yellow (34%)
- Blue (67%)



- Cyan (0%)
- Magenta (50%)
- Yellow (1%)
- Black (32%)





- Cyan (32%)
- Magenta (66%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9121, 18.4801, 40.6240 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 27.9121, 18.4801, 40.6240 by changing the saturation by 10% instead.

 27.9121, 18.4801,
40.6240


 27.9121, 18.4801,
40.6240


284.1344,
243.5634, 364.3767


 18.3995, 11.2952,
27.7079


 55.7537, 40.8537,
77.3602


 11.3386, 6.2658,
17.8685


 74.8134, 56.8113,
102.0175


 6.3640, 3.0074,
10.6871


 97.7863, 76.4618,
131.4255

 3.1104, 1.1356,
5.7454

 125.0376,
100.1897, 166.0029

 1.2124, 0.0081,
2.6246

 156.9327,
128.3795, 206.1682

 0.1161, 0.0000,
0.9051

193.8369,

 0.0000, 0.0000,

161.4154, 252.3399

0.0000

236.1157,
199.6819, 304.9365

■ 27.9121, 18.4801,
40.6240

■ 27.9121, 18.4801,
40.6240

■ 26.6567, 16.0295,
40.0189

■ 29.5032, 21.6010,
41.3419

■ 25.7105, 14.1975,
39.5172

■ 31.4501, 25.4339,
42.1789

■ 25.0463, 12.9294,
39.1101

■ 33.7737, 30.0200,
43.1419

■ 24.6312, 12.1592,
38.7866

■ 36.4927, 35.3966,
44.2374

■ 24.3974, 11.7498,
38.5293

■ 39.6245, 41.5987,
45.4710

■ 43.1855, 48.6590,
46.8482

■ 47.1913, 56.6086,
48.3742

■ 51.6565, 65.4770,
50.0540

■ 56.5952, 75.2921,
51.8921

Harmonies

Analogous

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



22.8599, 18.4801, 59.7341



27.9121, 18.4801, 40.6240



30.1516, 18.4801, 21.3437

Triad

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



27.9121, 18.4801, 40.6240



17.9865, 18.4801, 2.6164



9.8671, 18.4801, 37.3985

Complementary

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



27.9121, 18.4801, 40.6240



20.5436, 32.5709, 14.4376

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.



9.0827, 18.4801, 18.9472



27.9121, 18.4801, 40.6240



13.1579, 18.4801, 3.5868

Square

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



27.9121, 18.4801, 40.6240



23.7345, 18.4801, 3.9798



10.1547, 18.4801, 8.0262



12.5692, 18.4801, 57.2934

Rectangle

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



27.9121, 18.4801, 40.6240



29.4629, 18.4801, 12.3530



10.1547, 18.4801, 8.0262



9.3982, 18.4801, 30.6103

Sweetspot

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



27.9127, 18.4809, 40.6244



62.8426, 58.4211, 78.2195



14.8441, 11.7216, 41.0160



13.4450, 12.2768, 16.9132



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.9127, 18.4809, 40.6244



47.5922, 28.4198, 71.5961



24.4618, 17.1005, 22.4518



8.3290, 8.1449, 10.0433



17.9263, 8.6331, 28.3212



0.5011, 0.2411, 0.8007

Inverse Universe

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



27.9127, 18.4809, 40.6244



47.5922, 28.4198, 71.5961



22.8755, 33.5037, 26.7171



8.3290, 8.1449, 10.0433



17.9263, 8.6331, 28.3212



0.5011, 0.2411, 0.8007

Previews

White Background



This preview shows how the XYZ color 27.9121, 18.4801, 40.6240 looks on a white background.

Color Contrast Check

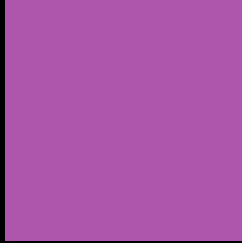
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9121, 18.4801, 40.6240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

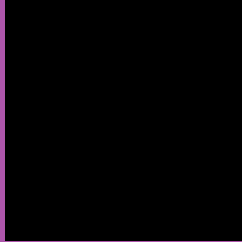
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9121, 18.4801, 40.6240

Background



This preview shows how black text looks on a background with the XYZ color 27.9121, 18.4801, 40.6240.



This preview shows how white text looks on a background with the XYZ color 27.9121, 18.4801,

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

27.9121, 18.4801, 40.6240

Protanopia

20.3698, 18.7800, 55.3746

Deuteranopia

19.0957, 18.6767, 38.1958



Tritanopia

22.9310, 18.4108, 16.8130

Trichromacy



Original Color

27.9121, 18.4801, 40.6240



Protanomaly

21.7023, 17.7905, 49.8670



Deuteranomaly

21.3350, 17.8439, 38.8790



Tritanomaly

24.4962, 18.3565, 24.0819

Monochromacy



Original Color

27.9121, 18.4801, 40.6240



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.1868, 18.4934, 27.2639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9121, 18.4801, 40.6240 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(173, 86, 171)` looks like.

```
.text, #text, p{  
    color:rgb(173, 86, 171)  
}
```

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(173, 86, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 86, 171) }
```

Border

The CSS property to change the border of an element to XYZ 27.9121, 18.4801, 40.6240 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(173, 86, 171) }
```


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

```
.border{ border-color:rgb(173, 86, 171) }
```

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

Here you see how a box with a 4 pixel rgb(173, 86, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 86, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 86, 171);  
box-shadow:4px 4px 4px 4px rgb(173, 86,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9121, 18.4801, 40.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 86, 171) }
```

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

```
.background{ background-color: rgb(173, 86,  
171) }
```

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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