

Converting Colors

XYZ(27.3618, 18.4666, 40.5821)

Have a look what the booklet for
XYZ(27.3618, 18.4666, 40.5821)
contains.

XYZ(27.4180, 18.4658, 40.6472)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.4180, 18.4658,
40.6472)**

Conversions

Conversions Part 1

Format	Color
Hex	AA58AB
RGB	170, 88, 171
RGB Percent	67%, 35%, 67%
CMY	0.3333, 0.6549, 0.3294
CMYK	0.01, 0.49, 0.00, 0.33
HSL	299°, 33%, 51%
HSV	299°, 49%, 67%
XYZ	27.4180, 18.4658, 40.6472
YIQ	121.9800, 22.2290, 43.1970

Conversions

Conversions Part 2

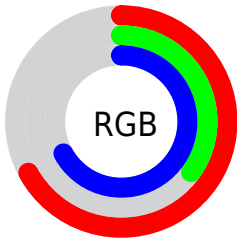
Format	Color
R _Y B	170, 88, 171
Decimal	11163819
CIE Lab	50.06, 45.65, -30.12
CIE LCh	50, 54.687, 326.583
Yxy	18.4658, 0.3169, 0.2134
Android (android.graphics.Color)	4289353899 (0xFFAA58AB)
YUV	121.9800, 24.1669, 42.1135
Hunter-Lab	42.9719, 38.6904, -26.0023

Details

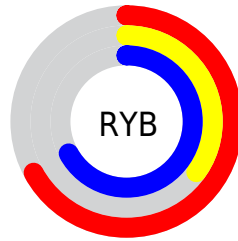
The XYZ color **27.4180, 18.4658, 40.6472** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **20.4448, 31.9546, 14.3238**, and the grayscale version is **18.4114, 19.3702, 21.0942**.

A 20% lighter version of the original color is **55.0686, 40.9267, 77.6703**, and **11.1033, 6.2828, 17.7670** is the 20% darker color. If you saturate the color by 10%, you get **26.1312, 15.9579, 40.2312**, and if you desaturate by 10%, it is **29.0353, 21.6338, 41.1737**.

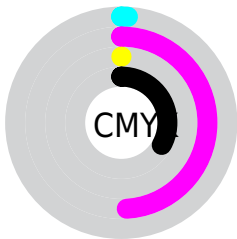
Distribution



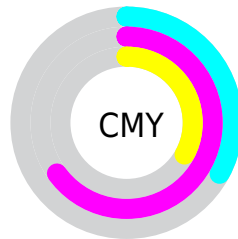
- Red (67%)
- Green (35%)
- Blue (67%)



- Red (67%)
- Yellow (35%)
- Blue (67%)



- Cyan (1%)
- Magenta (49%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (65%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4180, 18.4658, 40.6472 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 27.4180, 18.4658, 40.6472 by changing the saturation by 10% instead.


 27.4180, 18.4658,
40.6472


 27.4180, 18.4658,
40.6472


281.8061,
243.4836, 364.4768


 18.0256, 11.2849,
27.7259


 54.9691, 40.8295,
77.3959


 11.0682, 6.2588,
17.8819


 73.8585, 56.7810,
102.0603

 6.1803, 3.0031,
10.6967


 96.6442, 76.4249,
131.4763

 2.9967, 1.1333,
5.7517

 123.6917,
100.1456, 166.0622

 1.1520, 0.0062,
2.6283

155.3663,
128.3274, 206.2367

 0.0680, 0.0000,
0.9070

192.0333,

 0.0000, 0.0000,

161.3547, 252.4182

0.0000

234.0581,
199.6120, 305.0254

■ 27.4180, 18.4658,
40.6472

■ 27.4180, 18.4658,
40.6472

■ 26.1312, 15.9579,
40.2312

■ 29.0353, 21.6338,
41.1737

■ 25.1498, 14.0608,
39.9168

■ 31.0024, 25.5017,
41.8166

■ 24.4478, 12.7226,
39.6955

■ 33.3392, 30.1090,
42.5827

■ 23.9943, 11.8814,
39.5570

■ 36.0636, 35.4914,
43.4781

■ 23.7341, 11.4266,
39.4829

■ 39.1925, 41.6826,
44.5082

■ 23.7004, 11.3689,
39.4736

■ 42.7415, 48.7141,
45.6783

■ 46.7257, 56.6158,
46.9935

■ 51.1593, 65.4160,
48.4585

■ 56.0557, 75.1419,
50.0777

Harmonies

Analogous

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



22.4768, 18.4658, 58.7222



27.4180, 18.4658, 40.6472



29.7055, 18.4658, 21.8825

Triad

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



27.4180, 18.4658, 40.6472



18.1610, 18.4658, 2.8382



9.9716, 18.4658, 36.0511

Complementary

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



27.4180, 18.4658, 40.6472



20.4448, 31.9546, 14.3238

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.



9.2679, 18.4658, 18.4286



27.4180, 18.4658, 40.6472



13.4035, 18.4658, 3.7350

Square

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



27.4180, 18.4658, 40.6472



23.7308, 18.4658, 4.3258



10.3909, 18.4658, 8.0015



12.5499, 18.4658, 55.2647

Rectangle

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



27.4180, 18.4658, 40.6472



29.1374, 18.4658, 12.9211



10.3909, 18.4658, 8.0015



9.5334, 18.4658, 29.5567

Sweetspot

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



27.4186, 18.4666, 40.6476



61.2263, 56.9202, 76.7616



14.9803, 12.2246, 40.0983



13.4399, 12.2712, 17.0479



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.



27.4186, 18.4666, 40.6476



46.7010, 28.3883, 72.0200



24.3737, 17.2737, 23.4816



8.3274, 8.1431, 10.0856



17.8700, 8.5722, 29.7573



0.5001, 0.2400, 0.8280

Inverse Universe

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



22.0881, 16.3594, 11.4455



36.0613, 24.1870, 13.5292



22.4920, 32.7625, 25.6015



8.0090, 8.0169, 8.3583



12.6706, 6.5308, 0.6448



0.3537, 0.1822, 0.0245

Previews

White Background



This preview shows how the XYZ color 27.4180, 18.4658, 40.6472 looks on a white background.

Color Contrast Check

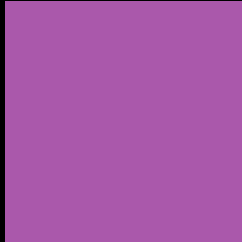
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4180, 18.4658, 40.6472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

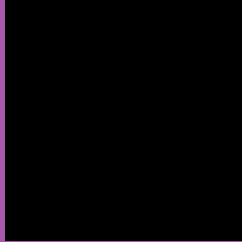
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.4180, 18.4658, 40.6472

Background



This preview shows how black text looks on a background with the XYZ color 27.4180, 18.4658, 40.6472.



This preview shows how white text looks on a background with the XYZ color 27.4180, 18.4658,

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

27.4180, 18.4658, 40.6472

Protanopia

20.3496, 18.7828, 54.7775

Deuteranopia

19.0703, 18.6531, 38.6717



Tritanopia

22.4661, 18.3099, 17.1019

Trichromacy



Original Color

27.4180, 18.4658, 40.6472



Protanomaly

21.5949, 17.7475, 49.3011



Deuteranomaly

21.2277, 17.9317, 39.3881



Tritanomaly

23.9566, 18.2147, 24.0829

Monochromacy



Original Color

27.4180, 18.4658, 40.6472



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

20.9570, 18.5343, 27.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4180, 18.4658, 40.6472 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(170, 88, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 88, 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(170, 88, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 88, 171) }
```

Border

The CSS property to change the border of an element to XYZ 27.4180, 18.4658, 40.6472 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(170, 88, 171) }
```


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

```
.border{ border-color:rgb(170, 88, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 88, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 88, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 88, 171); box-shadow:4px 4px 4px 4px rgb(170, 88, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4180, 18.4658, 40.6472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 88, 171) }
```

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

```
.background{ background-color: rgb(170, 88,  
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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