

Converting Colors

XYZ(28.4025, 20.1465, 40.9454)

Have a look what the booklet for
XYZ(28.4025, 20.1465, 40.9454)
contains.

XYZ(28.4200, 20.1476, 40.9191)	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(28.4200, 20.1476,
40.9191)**

Conversions

Conversions Part 1

Format	Color
Hex	AB61AB
RGB	171, 97, 171
RGB Percent	67%, 38%, 67%
CMY	0.3294, 0.6196, 0.3294
CMYK	0.00, 0.43, 0.00, 0.33
HSL	300°, 31%, 53%
HSV	300°, 43%, 67%
XYZ	28.4200, 20.1476, 40.9191
YIQ	127.5620, 20.3500, 38.7020

Conversions

Conversions Part 2

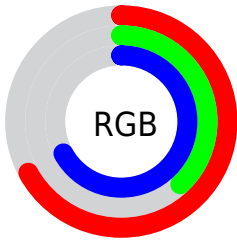
Format	Color
R_{YB}	171, 97, 171
Decimal	11231659
CIE _{Lab}	52.00, 41.23, -27.08
CIE _{LCh}	52, 49.327, 326.701
Yxy	20.1476, 0.3176, 0.2251
Android (android.graphics.Color)	4289421739 (0xFFAB61AB)
YUV	127.5620, 21.4149, 38.0951
Hunter-Lab	44.8861, 34.4681, -22.6298

Details

The XYZ color **28.4200, 20.1476, 40.9191** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.6512, 32.5311, 16.4484**, and the grayscale version is **20.2904, 21.3471, 23.2470**.

A 20% lighter version of the original color is **56.7664, 43.8527, 78.1456**, and **11.5831, 7.0439, 17.8887** is the 20% darker color. If you saturate the color by 10%, you get **27.0072, 17.3216, 40.4483**, and if you desaturate by 10%, it is **30.1747, 23.6565, 41.5043**.

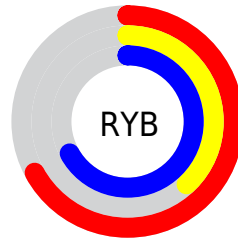
Distribution



Red (67%)

Green (38%)

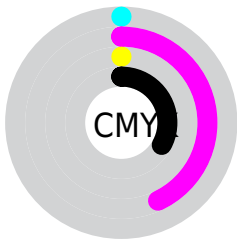
Blue (67%)



Red (67%)

Yellow (38%)

Blue (67%)

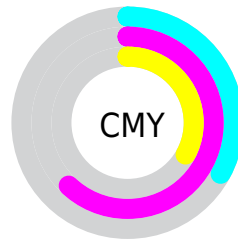


Cyan (0%)

Magenta (43%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (62%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4200, 20.1476, 40.9191 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 28.4200, 20.1476, 40.9191 by changing the saturation by 10% instead.


 28.4200, 20.1476,
40.9191


 28.4200, 20.1476,
40.9191


286.5122,
252.7130, 365.6490


 18.7846, 12.5024,
27.9367


 56.5583, 43.6645,
77.8134


 11.6178, 7.0868,
18.0393


 75.7918, 60.3050,
102.5623

 6.5543, 3.5164,
10.8085


 98.9554, 80.7127,
132.0705

 3.2288, 1.4069,
5.8256

 126.4145,
105.2720, 166.7565

 1.2759, 0.2218,
2.6723

158.5344,
134.3672, 207.0388

 0.1651, 0.0000,
0.9294

195.6804,

 0.0000, 0.0000,

168.3829, 253.3359

0.0000

238.2179,
207.7034, 306.0665

■ 28.4200, 20.1476,
40.9191

■ 28.4200, 20.1476,
40.9191

■ 27.0072, 17.3216,
40.4483

■ 30.1747, 23.6565,
41.5043

■ 25.9122, 15.1317,
40.0832

■ 32.2894, 27.8859,
42.2092

■ 25.1110, 13.5293,
39.8161

■ 34.7834, 32.8738,
43.0406

■ 24.5753, 12.4578,
39.6375

■ 37.6739, 38.6548,
44.0042

■ 24.2711, 11.8494,
39.5360

■ 40.9772, 45.2614,
45.1054

■ 24.1455, 11.5983,
39.4941

■ 44.7085, 52.7241,
46.3492

■ 48.8826, 61.0721,
47.7406

■ 53.5131, 70.3331,
49.2842

■ 58.6133, 80.5335,
50.9843

Harmonies

Analogous

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



23.8305, 20.1476, 57.1335



28.4200, 20.1476, 40.9191



30.5137, 20.1476, 23.5694

Triad

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



28.4200, 20.1476, 40.9191



19.7114, 20.1476, 4.2800



11.7463, 20.1476, 36.8785

Complementary

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



28.4200, 20.1476, 40.9191



21.6512, 32.5311, 16.4484

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.



11.0287, 20.1476, 20.3824



28.4200, 20.1476, 40.9191



15.1258, 20.1476, 5.3341

Square

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



28.4200, 20.1476, 40.9191



24.9628, 20.1476, 5.9792



12.1525, 20.1476, 9.9773



14.3173, 20.1476, 54.1705

Rectangle

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



28.4200, 20.1476, 40.9191



29.9823, 20.1476, 14.9036



12.1525, 20.1476, 9.9773



11.3022, 20.1476, 30.8950

Sweetspot

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



28.4207, 20.1485, 40.9195



62.3150, 58.9159, 77.0893



16.5561, 14.0321, 40.3646



13.6681, 12.6818, 17.1151



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.



28.4207, 20.1485, 40.9195



48.4473, 31.1807, 72.4662



25.3732, 18.9295, 24.8717



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7723



0.5064, 0.2432, 0.8282

Inverse Universe

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



28.4207, 20.1485, 40.9195



48.4473, 31.1807, 72.4662



23.7966, 33.3892, 27.7458



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7723



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 28.4200, 20.1476, 40.9191 looks on a white background.

Color Contrast Check

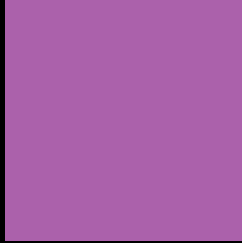
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4200, 20.1476, 40.9191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

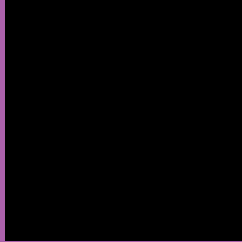
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4200, 20.1476, 40.9191

Background



This preview shows how black text looks on a background with the XYZ color 28.4200, 20.1476, 40.9191.



This preview shows how white text looks on a background with the XYZ color 28.4200, 20.1476,

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

28.4200, 20.1476, 40.9191

Protanopia

21.6190, 20.3900, 52.0864

Deuteranopia

20.7759, 20.4298, 38.9247



Tritanopia

23.9894, 20.1141, 19.4477

Trichromacy



Original Color

28.4200, 20.1476, 40.9191

Protanomaly

23.1610, 19.7066, 47.9304

Deuteranomaly

22.9167, 19.9301, 39.6848

Tritanomaly

25.5033, 20.1248, 26.2072

Monochromacy



Original Color

28.4200, 20.1476, 40.9191

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.8969, 20.6655, 29.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4200, 20.1476, 40.9191 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(171, 97, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 97, 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(171, 97, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 97, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.4200, 20.1476, 40.9191 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(171, 97, 171) }
```


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

```
.border{ border-color:rgb(171, 97, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 97, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 97, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 97, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 97,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4200, 20.1476, 40.9191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 97, 171) }
```

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

```
.background{ background-color: rgb(171, 97,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor