

Converting Colors

XYZ(27.0427, 20.5486, 33.6745)

Have a look what the booklet for
XYZ(27.0427, 20.5486, 33.6745)
contains.

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Color

**XYZ(27.0152, 20.5920,
33.5611)**

Conversions

Conversions Part 1

Format	Color
Hex	A8689B
RGB	168, 104, 155
RGB Percent	66%, 41%, 61%
CMY	0.3412, 0.5921, 0.3922
CMYK	0.00, 0.38, 0.08, 0.34
HSL	312°, 27%, 53%
HSV	312°, 38%, 66%
XYZ	27.0152, 20.5920, 33.5611
YIQ	128.9500, 21.7730, 29.4290

Conversions

Conversions Part 2

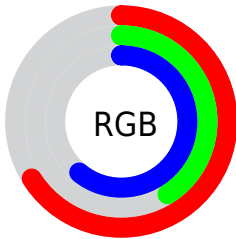
Format	Color
R _Y B	168, 104, 155
Decimal	11036827
CIE Lab	52.50, 33.49, -17.00
CIE LCh	53, 37.553, 333.090
Yxy	20.5920, 0.3328, 0.2537
Android (android.graphics.Color)	4289226907 (0xFFA8689B)
YUV	128.9500, 12.8427, 34.2469
Hunter-Lab	45.3784, 26.8545, -12.0850

Details

The XYZ color **27.0152, 20.5920, 33.5611** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.9234, 32.2335, 21.8445**, and the grayscale version is **20.8004, 21.8837, 23.8313**.

A 20% lighter version of the original color is **54.2618, 44.2774, 66.6592**, and **10.9351, 7.3767, 13.9442** is the 20% darker color. If you saturate the color by 10%, you get **25.2072, 17.4279, 31.5644**, and if you desaturate by 10%, it is **29.1695, 24.4350, 35.7136**.

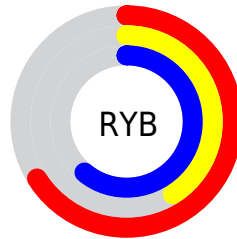
Distribution



Red (66%)

Green (41%)

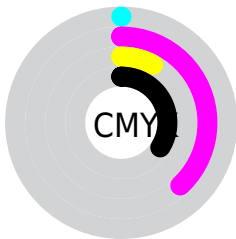
Blue (61%)



Red (66%)

Yellow (41%)

Blue (61%)

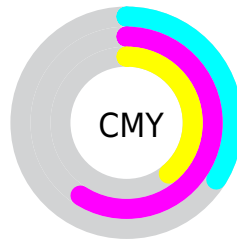


Cyan (0%)

Magenta (38%)

Yellow (8%)

Black (34%)



Cyan (34%)


Magenta (59%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0152, 20.5920, 33.5611 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 27.0152, 20.5920, 33.5611 by changing the saturation by 10% instead.

 27.0152, 20.5920,
33.5611


 27.0152, 20.5920,
33.5611


279.8969,
255.1022, 332.8798


 17.7213, 12.8261,
22.2820


 54.3280, 44.4075,
66.3766


 10.8485, 7.3089,
13.8640


 73.0775, 61.2259,
88.7501

 6.0316, 3.6560,
7.8884


 95.7097, 81.8306,
115.6589

 2.9052, 1.4831,
3.9369

 122.5898,
106.6060, 147.5214

 1.1038, 0.2768,
1.5908

154.0832,
135.9364, 184.7562

 0.0283, 0.0000,
0.2842

190.5553,

 0.0000, 0.0000,

170.2063, 227.7818

0.0000

232.3714,
209.8001, 277.0168

■ 27.0152, 20.5920,
33.5611

■ 27.0152, 20.5920,
33.5611

■ 25.2072, 17.4279,
31.5644

■ 29.1695, 24.4350,
35.7136

■ 23.7233, 14.8996,
29.7151

■ 31.6866, 28.9910,
38.0272

■ 22.5420, 12.9635,
28.0061

■ 34.5844, 34.2951,
40.5083

■ 21.6379, 11.5694,
26.4284

■ 37.8790, 40.3795,
43.1626

■ 20.9818, 10.6585,
24.9720

■ 41.5855, 47.2743,
45.9954

■ 20.5232, 10.1304,
23.6198

■ 45.7182, 55.0081,
49.0118

■ 20.4429, 10.0426,
23.3687

■ 50.2907, 63.6080,
52.2167

■ 55.3161, 73.1000,
55.6147

■ 60.7415, 83.3781,
59.1884

Harmonies

Analogous

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



23.9389, 20.5920, 45.5377



27.0152, 20.5920, 33.5611



28.0164, 20.5920, 21.2881

Triad

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



27.0152, 20.5920, 33.5611



19.1723, 20.5920, 7.1278



13.9583, 20.5920, 36.2421

Complementary

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



27.0152, 20.5920, 33.5611



22.9234, 32.2335, 21.8445

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.



13.0219, 20.5920, 23.5938



27.0152, 20.5920, 33.5611



15.7715, 20.5920, 8.8519

Square

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



27.0152, 20.5920, 33.5611



23.1504, 20.5920, 8.2459



13.6395, 20.5920, 14.0674



16.3829, 20.5920, 47.4116

Rectangle

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



27.0152, 20.5920, 33.5611



27.2769, 20.5920, 15.0360



13.6395, 20.5920, 14.0674



13.4747, 20.5920, 31.8982

Sweetspot

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



27.0158, 20.5929, 33.5615



61.0473, 59.0917, 72.0745



19.3284, 16.4969, 39.2119



13.1558, 12.6048, 15.5818



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.0158, 20.5929, 33.5615



46.1184, 32.2777, 57.7151



24.6873, 19.6615, 21.2995



7.7756, 7.6401, 9.1357



15.4561, 7.5911, 17.7450



0.3921, 0.1911, 0.5165

Inverse Universe

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



27.0158, 20.5929, 33.5615



46.1184, 32.2777, 57.7151



25.1212, 33.1126, 33.4183



7.7756, 7.6401, 9.1357



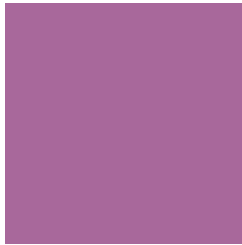
15.4561, 7.5911, 17.7450



0.3921, 0.1911, 0.5165

Previews

White Background



This preview shows how the XYZ color 27.0152, 20.5920, 33.5611 looks on a white background.

Color Contrast Check

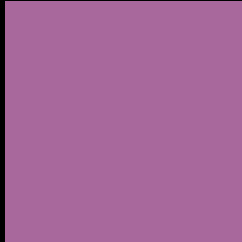
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0152, 20.5920, 33.5611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

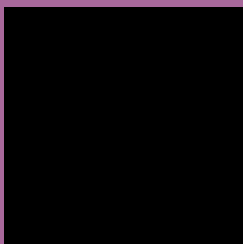
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.0152, 20.5920, 33.5611

Background



This preview shows how black text looks on a background with the XYZ color 27.0152, 20.5920, 33.5611.



This preview shows how white text looks on a background with the XYZ color 27.0152, 20.5920,

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

27.0152, 20.5920, 33.5611

Protanopia

21.2734, 20.8283, 40.9292

Deuteranopia

21.2079, 20.7929, 32.6014



Tritanopia

24.3844, 20.6175, 20.4637

Trichromacy



Original Color

27.0152, 20.5920, 33.5611

Protanomaly

22.8257, 20.4257, 38.3368

Deuteranomaly

22.9797, 20.4534, 32.8737

Tritanomaly

25.1133, 20.4179, 24.8077

Monochromacy



Original Color

27.0152, 20.5920, 33.5611

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.6316, 21.1076, 26.9261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0152, 20.5920, 33.5611 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(168, 104, 155)` looks like.

```
.text, #text, p{  
    color:rgb(168, 104, 155)  
}
```

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(168, 104, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 104, 155) }
```

Border

The CSS property to change the border of an element to XYZ 27.0152, 20.5920, 33.5611 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(168, 104, 155) }
```


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

```
.border{ border-color:rgb(168, 104, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 104, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 104, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 104, 155);  
box-shadow:4px 4px 4px 4px rgb(168, 104,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0152, 20.5920, 33.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 104, 155) }
```

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

```
.background{ background-color: rgb(168,  
104, 155) }
```

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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