

Converting Colors

XYZ(27.2059, 20.1887, 37.5500)

Have a look what the booklet for
XYZ(27.2059, 20.1887, 37.5500)
contains.

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Color

**XYZ(27.2909, 20.2032,
37.5832)**

Conversions

Conversions Part 1

Format	Color
Hex	A765A4
RGB	167, 101, 164
RGB Percent	65%, 40%, 64%
CMY	0.3451, 0.6039, 0.3569
CMYK	0.00, 0.40, 0.02, 0.35
HSL	303°, 27%, 53%
HSV	303°, 40%, 65%
XYZ	27.2909, 20.2032, 37.5832
YIQ	127.9160, 19.1130, 33.5850

Conversions

Conversions Part 2

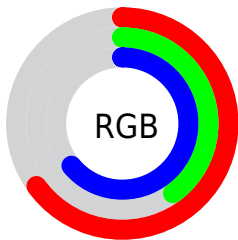
Format	Color
R _Y B	167, 101, 164
Decimal	10970532
CIE Lab	52.07, 36.47, -22.94
CIE LCh	52, 43.086, 327.832
Yxy	20.2032, 0.3208, 0.2375
Android (android.graphics.Color)	4289160612 (0xFFA765A4)
YUV	127.9160, 17.7894, 34.2767
Hunter-Lab	44.9480, 29.7203, -18.1117

Details

The XYZ color **27.2909, 20.2032, 37.5832** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.6851, 31.4044, 18.0166**, and the grayscale version is **20.4250, 21.4887, 23.4012**.

A 20% lighter version of the original color is **54.6088, 43.5849, 72.5524**, and **10.9185, 7.0482, 16.1142** is the 20% darker color. If you saturate the color by 10%, you get **25.7631, 17.2565, 36.7368**, and if you desaturate by 10%, it is **29.1499, 23.8108, 38.5424**.

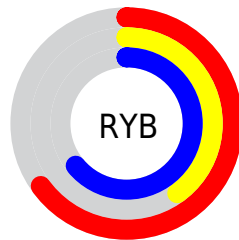
Distribution



Red (65%)

Green (40%)

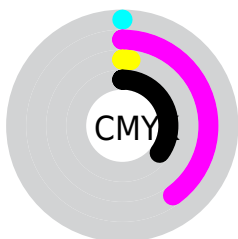
Blue (64%)



Red (65%)

Yellow (40%)

Blue (64%)

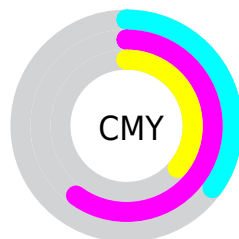


Cyan (0%)

Magenta (40%)

Yellow (2%)

Black (35%)



Cyan (35%)


Magenta (60%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2909, 20.2032, 37.5832 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 27.2909, 20.2032, 37.5832 by changing the saturation by 10% instead.


 27.2909, 20.2032,
37.5832


 27.2909, 20.2032,
37.5832


281.2048,
253.0130, 351.0730

 17.9295, 12.5428,
25.3600


 54.7669, 43.7576,
72.6652

 10.9988, 7.1145,
16.1240


 73.6123, 60.4204,
96.3610

 6.1333, 3.5338,
9.4567


 96.3497, 80.8529,
124.7183

 2.9677, 1.4164,
4.9394

 123.3445,
105.4393, 158.1553

 1.1367, 0.2287,
2.1536

154.9620,
134.5642, 197.0908

 0.0555, 0.0000,
0.6474

191.5677,

 0.0000, 0.0000,

168.6118, 241.9432

0.0000

233.5268,
207.9666, 293.1311

■ 27.2909, 20.2032,
37.5832

■ 27.2909, 20.2032,
37.5832

■ 25.7631, 17.2565,
36.7368

■ 29.1499, 23.8108,
38.5424

■ 24.5444, 14.9279,
35.9953

■ 31.3566, 28.1133,
39.6193

■ 23.6132, 13.1736,
35.3516

■ 33.9285, 33.1458,
40.8200

■ 22.9443, 11.9433,
34.7974

■ 36.8817, 38.9401,
42.1498

■ 22.5080, 11.1775,
34.3227

■ 40.2311, 45.5262,
43.6137

■ 22.2420, 10.7517,
33.9068

■ 43.9908, 52.9323,
45.2165

■ 22.2301, 10.7330,
33.8871

■ 48.1744, 61.1855,
46.9625

■ 52.7947, 70.3114,
48.8562

■ 57.8640, 80.3346,
50.9016

Harmonies

Analogous

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



23.4293, 20.2032, 51.1331



27.2909, 20.2032, 37.5832



28.9577, 20.2032, 22.9274

Triad

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



27.2909, 20.2032, 37.5832



19.5244, 20.2032, 5.5828



12.6507, 20.2032, 35.3593

Complementary

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



27.2909, 20.2032, 37.5832



21.6851, 31.4044, 18.0166

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.



11.9285, 20.2032, 21.0938



27.2909, 20.2032, 37.5832



15.5174, 20.2032, 6.7753

Square

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



27.2909, 20.2032, 37.5832



24.0681, 20.2032, 7.2021



12.8946, 20.2032, 11.4554



15.0414, 20.2032, 49.5413

Rectangle

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



27.2909, 20.2032, 37.5832



28.4345, 20.2032, 15.3814



12.8946, 20.2032, 11.4554



12.2224, 20.2032, 30.2826

Sweetspot

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



27.2916, 20.2041, 37.5836



59.4540, 56.7973, 72.5024



17.2462, 14.9938, 38.5449



13.1740, 12.4544, 16.1641



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.



27.2916, 20.2041, 37.5836



46.5564, 31.7064, 66.0319



24.7420, 19.1843, 24.1579



7.8270, 7.6606, 9.4059



17.0155, 8.2149, 25.9568



0.4183, 0.2016, 0.6543

Inverse Universe

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



27.2916, 20.2041, 37.5836



46.5564, 31.7064, 66.0319



23.6445, 32.1881, 28.3348



7.8270, 7.6606, 9.4059



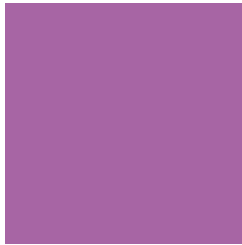
17.0155, 8.2149, 25.9568



0.4183, 0.2016, 0.6543

Previews

White Background



This preview shows how the XYZ color 27.2909, 20.2032, 37.5832 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 27.2909, 20.2032, 37.5832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

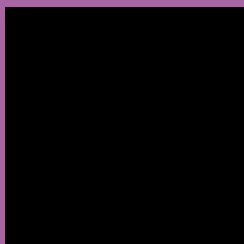
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.2909, 20.2032, 37.5832

Background



This preview shows how black text looks on a background with the XYZ color 27.2909, 20.2032, 37.5832.



This preview shows how white text looks on a background with the XYZ color 27.2909, 20.2032,

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

27.2909, 20.2032, 37.5832

Protanopia

21.3673, 20.5663, 46.5596

Deuteranopia

20.7759, 20.3087, 36.0827



Tritanopia

23.7122, 20.2779, 20.1170

Trichromacy



Original Color

27.2909, 20.2032, 37.5832

Protanomaly

22.7707, 19.9458, 43.2072

Deuteranomaly

22.6037, 19.8421, 36.3568

Tritanomaly

24.7351, 20.0512, 25.4883

Monochromacy



Original Color

27.2909, 20.2032, 37.5832

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.4415, 20.6307, 27.9986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2909, 20.2032, 37.5832 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(167, 101, 164)` looks like.

```
.text, #text, p{  
    color:rgb(167, 101, 164)  
}
```

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(167, 101, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 101, 164) }
```

Border

The CSS property to change the border of an element to XYZ 27.2909, 20.2032, 37.5832 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(167, 101, 164) }
```


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

```
.border{ border-color:rgb(167, 101, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 101, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 101, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 101, 164);  
box-shadow:4px 4px 4px 4px rgb(167, 101,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2909, 20.2032, 37.5832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 101, 164) }
```

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

```
.background{ background-color: rgb(167,  
101, 164) }
```

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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