

Converting Colors

XYZ(27.2948, 20.2966, 37.5459)

Have a look what the booklet for
XYZ(27.2948, 20.2966, 37.5459)
contains.

XYZ(27.3886, 20.3986, 37.6157)	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(27.3886, 20.3986,
37.6157)**

Conversions

Conversions Part 1

Format	Color
Hex	A766A4
RGB	167, 102, 164
RGB Percent	65%, 40%, 64%
CMY	0.3451, 0.6000, 0.3569
CMYK	0.00, 0.39, 0.02, 0.35
HSL	303°, 27%, 53%
HSV	303°, 39%, 65%
XYZ	27.3886, 20.3986, 37.6157
YIQ	128.5030, 18.8380, 33.0620

Conversions

Conversions Part 2

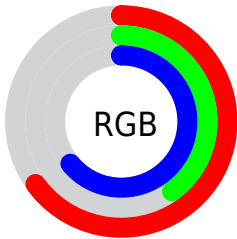
Format	Color
R _Y B	167, 102, 164
Decimal	10970788
CIE Lab	52.28, 35.92, -22.60
CIE LCh	52, 42.441, 327.821
Yxy	20.3986, 0.3207, 0.2389
Android (android.graphics.Color)	4289160868 (0xFFA766A4)
YUV	128.5030, 17.5000, 33.7619
Hunter-Lab	45.1648, 29.2066, -17.7646

Details

The XYZ color **27.3886, 20.3986, 37.6157** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8489, 31.4829, 18.2911**, and the grayscale version is **20.6296, 21.7040, 23.6356**.

A 20% lighter version of the original color is **54.7732, 43.9137, 72.6072**, and **11.0921, 7.2032, 16.1350** is the 20% darker color. If you saturate the color by 10%, you get **25.8405, 17.4132, 36.7574**, and if you desaturate by 10%, it is **29.2690, 24.0473, 38.5873**.

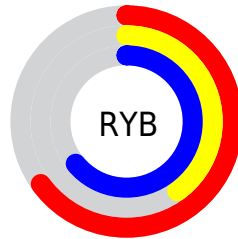
Distribution



Red (65%)

Green (40%)

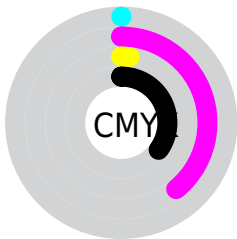
Blue (64%)



Red (65%)

Yellow (40%)

Blue (64%)

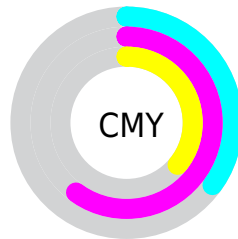


Cyan (0%)

Magenta (39%)

Yellow (2%)

Black (35%)



Cyan (35%)


Magenta (60%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3886, 20.3986, 37.6157 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 27.3886, 20.3986, 37.6157 by changing the saturation by 10% instead.


 27.3886, 20.3986,
37.6157


 27.3886, 20.3986,
37.6157


281.6671,
254.0649, 351.2172


 18.0034, 12.6851,
25.3850


 54.9223, 44.0845,
72.7156


 11.0521, 7.2121,
16.1425


 73.8015, 60.8256,
96.4219

 6.1695, 3.5951,
9.4696


 96.5761, 81.3448,
124.7906

 2.9900, 1.4497,
4.9478

 123.6114,
106.0264, 158.2400

 1.1485, 0.2530,
2.1584

155.2728,
135.2548, 197.1889

 0.0651, 0.0000,
0.6502

191.9257,

 0.0000, 0.0000,

169.4145, 242.0557

0.0000

233.9353,
208.8897, 293.2589

■ 27.3886, 20.3986,
37.6157

■ 27.3886, 20.3986,
37.6157

■ 25.8405, 17.4132,
36.7574

■ 29.2690, 24.0473,
38.5873

■ 24.6029, 15.0483,
36.0044

■ 31.4981, 28.3930,
39.6770

■ 23.6541, 13.2605,
35.3498

■ 34.0935, 33.4707,
40.8909

■ 22.9693, 12.0000,
34.7852

■ 37.0711, 39.3120,
42.2343

■ 22.5191, 11.2079,
34.3010

■ 40.4458, 45.9468,
43.7121

■ 22.2468, 10.7710,
33.8780

■ 44.2316, 53.4034,
45.3292

■ 22.2199, 10.7290,
33.8333

■ 48.4421, 61.7086,
47.0898

■ 53.0901, 70.8880,
48.9984

■ 58.1878, 80.9662,
51.0591

Harmonies

Analogous

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



23.5720, 20.3986, 50.9465



27.3886, 20.3986, 37.6157



29.0349, 20.3986, 23.1363

Triad

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



27.3886, 20.3986, 37.6157



19.7089, 20.3986, 5.8162



12.8764, 20.3986, 35.4129

Complementary

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



27.3886, 20.3986, 37.6157



21.8489, 31.4829, 18.2911

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.



12.1569, 20.3986, 21.3099



27.3886, 20.3986, 37.6157



15.7314, 20.3986, 7.0202

Square

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



27.3886, 20.3986, 37.6157



24.2067, 20.3986, 7.4525



13.1206, 20.3986, 11.7172



15.2559, 20.3986, 49.3747

Rectangle

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



27.3886, 20.3986, 37.6157



28.5191, 20.3986, 15.6406



13.1206, 20.3986, 11.7172



12.4496, 20.3986, 30.4027

Sweetspot

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



27.3893, 20.3995, 37.6161



59.4516, 56.7963, 72.4899



17.4557, 15.2469, 38.5827



13.1734, 12.4541, 16.1610



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.



27.3893, 20.3995, 37.6161



46.5474, 31.7028, 65.9843



24.8763, 19.3943, 24.3829



7.8267, 7.6606, 9.4047



17.0077, 8.2118, 25.9160



0.4182, 0.2016, 0.6537

Inverse Universe

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



27.3893, 20.3995, 37.6161



46.5474, 31.7028, 65.9843



23.7905, 32.2596, 28.5155



7.8267, 7.6606, 9.4047



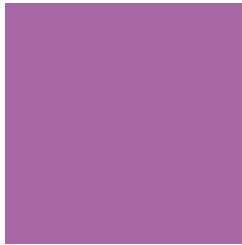
17.0077, 8.2118, 25.9160



0.4182, 0.2016, 0.6537

Previews

White Background



This preview shows how the XYZ color 27.3886, 20.3986, 37.6157 looks on a white background.

Color Contrast Check

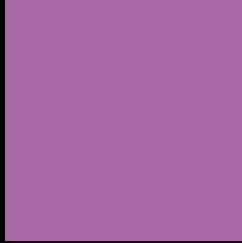
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3886, 20.3986, 37.6157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

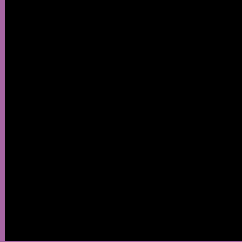
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.3886, 20.3986, 37.6157

Background



This preview shows how black text looks on a background with the XYZ color 27.3886, 20.3986, 37.6157.



This preview shows how white text looks on a background with the XYZ color 27.3886, 20.3986,

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

27.3886, 20.3986, 37.6157

Protanopia

21.3846, 20.5870, 46.0266

Deuteranopia

21.0359, 20.6259, 36.1302



Tritanopia

23.7725, 20.3020, 20.4350

Trichromacy



Original Color

27.3886, 20.3986, 37.6157

Protanomaly

22.8240, 19.9846, 42.6989

Deuteranomaly

22.7171, 20.0689, 36.3946

Tritanomaly

24.9108, 20.2892, 25.8958

Monochromacy



Original Color

27.3886, 20.3986, 37.6157

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.8070, 20.9863, 28.4399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3886, 20.3986, 37.6157 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, 102, 164)` looks like.

```
.text, #text, p{  
    color:rgb(167, 102, 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, 102, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 102, 164) }
```

Border

The CSS property to change the border of an element to XYZ 27.3886, 20.3986, 37.6157 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, 102, 164) }
```


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

```
.border{ border-color:rgb(167, 102, 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, 102, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 102, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 102, 164);  
box-shadow:4px 4px 4px 4px rgb(167, 102,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3886, 20.3986, 37.6157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 102, 164) }
```

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

```
.background{ background-color: rgb(167,  
102, 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](#).

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