

Converting Colors

XYZ(27.7261, 22.1317, 30.4506)

Have a look what the booklet for
XYZ(27.7261, 22.1317, 30.4506)
contains.

XYZ(27.7455, 22.1334, 30.4136)	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(27.7455, 22.1334,
30.4136)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6F93
RGB	171, 111, 147
RGB Percent	67%, 44%, 58%
CMY	0.3294, 0.5647, 0.4235
CMYK	0.00, 0.35, 0.14, 0.33
HSL	324°, 26%, 55%
HSV	324°, 35%, 67%
XYZ	27.7455, 22.1334, 30.4136
YIQ	133.0440, 24.2040, 23.9160

Conversions

Conversions Part 2

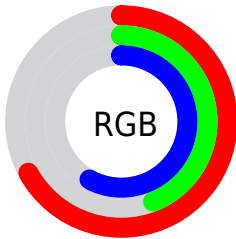
Format	Color
R_{YB}	171, 111, 147
Decimal	11235219
CIE Lab	54.17, 29.23, -9.76
CIE LCh	54, 30.818, 341.541
Yxy	22.1334, 0.3456, 0.2757
Android (android.graphics.Color)	4289425299 (0xFFAB6F93)
YUV	133.0440, 6.8803, 33.2874
Hunter-Lab	47.0461, 22.9397, -5.3965

Details

The XYZ color **27.7455, 22.1334, 30.4136** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.4926, 34.2553, 28.1915**, and the grayscale version is **22.2805, 23.4408, 25.5270**.

A 20% lighter version of the original color is **55.4966, 47.0989, 61.4243**, and **11.3052, 8.1413, 12.0419** is the 20% darker color. If you saturate the color by 10%, you get **25.5344, 18.5446, 27.1066**, and if you desaturate by 10%, it is **30.3470, 26.4514, 34.0087**.

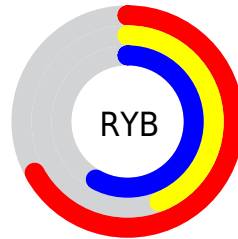
Distribution



Red (67%)

Green (44%)

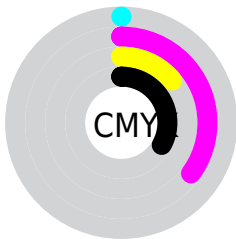
Blue (58%)



Red (67%)

Yellow (44%)

Blue (58%)

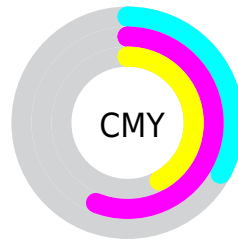


Cyan (0%)

Magenta (35%)

Yellow (14%)

Black (33%)



Cyan (33%)


Magenta (56%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7455, 22.1334, 30.4136 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 27.7455, 22.1334, 30.4136 by changing the saturation by 10% instead.

 27.7455, 22.1334,
30.4136


 27.7455, 22.1334,
30.4136


283.3510,
263.2421, 318.0947

 18.2734, 13.9550,
19.8980


 55.4894, 46.9664,
61.3844


 11.2473, 8.0893,
12.1376


 74.4918, 64.3897,
82.6766

 6.3019, 4.1522,
6.7138


 97.4017, 85.6634,
108.3982

 3.0719, 1.7590,
3.2080

 124.5845,
111.1720, 138.9677

 1.1919, 0.4615,
1.2018

156.4054,
141.2997, 174.8035

 0.1000, 0.0000,
0.0000

193.2299,

 0.0000, 0.0000,

176.4311, 216.3242

0.0000

235.4233,
216.9504, 263.9485

■ 27.7455, 22.1334,
30.4136

■ 27.7455, 22.1334,
30.4136

■ 25.5344, 18.5446,
27.1066

■ 30.3470, 26.4514,
34.0087

■ 23.6907, 15.6407,
24.0767

■ 33.3564, 31.5333,
37.8996

■ 22.1921, 13.3776,
21.3137

■ 36.7922, 37.4154,
42.0955


■ 21.0126, 11.7044,
18.8064

■ 40.6714, 44.1307,
46.6044


■ 20.1225, 10.5627,
16.5416


■ 45.0100, 51.7104,
51.4341


 19.4853, 9.8802,
14.5044

 49.8231, 60.1840,
56.5921

 19.2227, 9.6292,
13.5715

 55.1252, 69.5796,
62.0856

 60.9302, 79.9240,
67.9215

 64.0095, 84.7599,
73.0259

Harmonies

Analogous

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



25.5964, 22.1334, 40.6794



27.7455, 22.1334, 30.4136



27.9877, 22.1334, 20.5993

Triad

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



27.7455, 22.1334, 30.4136



19.7766, 22.1334, 10.1839



16.5817, 22.1334, 38.4923

Complementary

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



27.7455, 22.1334, 30.4136



25.4926, 34.2553, 28.1915

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.



15.3446, 22.1334, 27.9753



27.7455, 22.1334, 30.4136



17.0542, 22.1334, 12.7761

Square

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



27.7455, 22.1334, 30.4136



23.1396, 22.1334, 10.5112



15.5079, 22.1334, 18.7260



19.0660, 22.1334, 46.1300

Rectangle

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



27.7455, 22.1334, 30.4136



27.0075, 22.1334, 15.6921



15.5079, 22.1334, 18.7260



16.0187, 22.1334, 35.0745

Sweetspot

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



27.7462, 22.1344, 30.4141



62.0408, 60.3994, 70.7339



23.0278, 19.4612, 41.0711



13.6598, 13.1694, 15.5575



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.



27.7462, 22.1344, 30.4141



46.5979, 34.6054, 49.8887



25.6908, 21.3123, 19.5904



8.1993, 8.0930, 9.3606



14.5175, 7.2695, 10.3705



0.4299, 0.2127, 0.4257

Inverse Universe

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



27.7462, 22.1344, 30.4141



46.5979, 34.6054, 49.8887



27.9107, 35.2225, 40.9254



8.1993, 8.0930, 9.3606



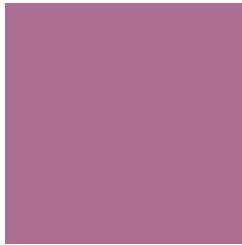
14.5175, 7.2695, 10.3705



0.4299, 0.2127, 0.4257

Previews

White Background



This preview shows how the XYZ color 27.7455, 22.1334, 30.4136 looks on a white background.

Color Contrast Check

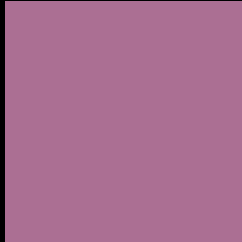
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7455, 22.1334, 30.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

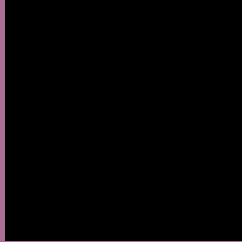
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7455, 22.1334, 30.4136

Background



This preview shows how black text looks on a background with the XYZ color 27.7455, 22.1334, 30.4136.



This preview shows how white text looks on a background with the XYZ color 27.7455, 22.1334,

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

27.7455, 22.1334, 30.4136

Protanopia

22.2766, 22.4147, 35.9532

Deuteranopia

22.6482, 22.1696, 29.4710



Tritanopia

25.9173, 22.0415, 21.9572

Trichromacy



Original Color

27.7455, 22.1334, 30.4136

Protanomaly

23.6911, 21.8611, 33.9813

Deuteranomaly

24.3426, 22.1086, 29.7725

Tritanomaly

26.5444, 22.1356, 24.7034

Monochromacy



Original Color

27.7455, 22.1334, 30.4136

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.9537, 22.7053, 27.1648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7455, 22.1334, 30.4136 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, 111, 147)` looks like.

```
.text, #text, p{  
    color:rgb(171, 111, 147)  
}
```

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, 111, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 111, 147) }
```

Border

The CSS property to change the border of an element to XYZ 27.7455, 22.1334, 30.4136 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, 111, 147) }
```


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

```
.border{ border-color:rgb(171, 111, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 111, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 111, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 111, 147);  
box-shadow:4px 4px 4px 4px rgb(171, 111,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7455, 22.1334, 30.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 111, 147) }
```

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

```
.background{ background-color: rgb(171,  
111, 147) }
```

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