

Converting Colors

XYZ(27.7645, 22.5265, 37.3464)

Have a look what the booklet for
XYZ(27.7645, 22.5265, 37.3464)
contains.

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Color

**XYZ(27.7324, 22.4655,
37.5249)**

Conversions

Conversions Part 1

Format	Color
Hex	A372A3
RGB	163, 114, 163
RGB Percent	64%, 45%, 64%
CMY	0.3608, 0.5529, 0.3608
CMYK	0.00, 0.30, 0.00, 0.36
HSL	300°, 21%, 54%
HSV	300°, 30%, 64%
XYZ	27.7324, 22.4655, 37.5249
YIQ	134.2370, 13.4750, 25.6270

Conversions

Conversions Part 2

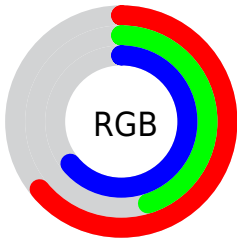
Format	Color
R_{YB}	163, 114, 163
Decimal	10711715
CIE _{Lab}	54.52, 27.67, -18.64
CIE _{LCh}	55, 33.367, 326.038
Yxy	22.4655, 0.3161, 0.2561
Android (android.graphics.Color)	4288901795 (0xFFA372A3)
YUV	134.2370, 14.1802, 25.2252
Hunter-Lab	47.3978, 21.4941, -13.7615

Details

The XYZ color **27.7324, 22.4655, 37.5249** is a light color, and the websafe version is hex **996699**. A complement of this color would be **23.0748, 30.9874, 20.6858**, and the grayscale version is **22.6937, 23.8756, 26.0005**.

A 20% lighter version of the original color is **55.6870, 47.7595, 72.6131**, and **11.1899, 8.2433, 16.0403** is the 20% darker color. If you saturate the color by 10%, you get **26.0554, 19.1110, 36.9661**, and if you desaturate by 10%, it is **29.7385, 26.4772, 38.1939**.

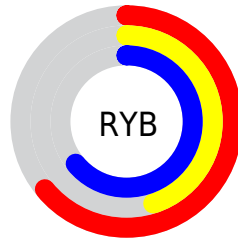
Distribution



Red (64%)

Green (45%)

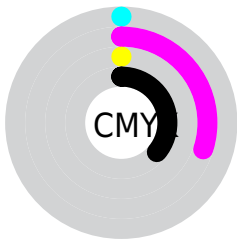
Blue (64%)



Red (64%)

Yellow (45%)

Blue (64%)

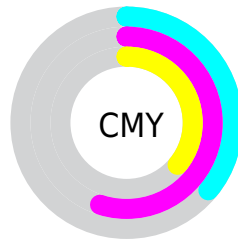


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (36%)


Magenta (55%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7324, 22.4655, 37.5249 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 27.7324, 22.4655, 37.5249 by changing the saturation by 10% instead.


 27.7324, 22.4655,
37.5249


 27.7324, 22.4655,
37.5249


283.2893,
264.9677, 350.8144


 18.2635, 14.1993,
25.3152


 55.4686, 47.5142,
72.5747


 11.2401, 8.2594,
16.0909


 74.4665, 65.0655,
96.2518

 6.2971, 4.2614,
9.4334


 97.3715, 86.4806,
124.5885

 3.0689, 1.8208,
4.9243

 124.5488,
112.1440, 158.0033

 1.1903, 0.5001,
2.1450

156.3639,
142.4400, 196.9148

 0.0987, 0.0000,
0.6423

193.1821,

 0.0000, 0.0000,

177.7530, 241.7414

0.0000

235.3688,
218.4674, 292.9018

■ 27.7324, 22.4655,
37.5249

■ 27.7324, 22.4655,
37.5249

■ 26.0554, 19.1110,
36.9661

■ 29.7385, 26.4772,
38.1939

■ 24.6879, 16.3760,
36.5102

■ 32.0876, 31.1755,
38.9770

■ 23.6116, 14.2235,
36.1514

■ 34.7956, 36.5914,
39.8797

■ 22.8054, 12.6112,
35.8826

■ 37.8765, 42.7531,
40.9067

■ 22.2455, 11.4913,
35.6959

■ 41.3437, 49.6876,
42.0625

■ 21.9036, 10.8076,
35.5819

■ 45.2100, 57.4202,
43.3513

■ 21.7153, 10.4310,
35.5191

■ 49.4876, 65.9753,
44.7773

■ 54.1880, 75.3762,
46.3441

■ 57.4755, 81.9510,
47.4400

Harmonies

Analogous

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



24.5908, 22.4655, 47.3852



27.7324, 22.4655, 37.5249



29.1644, 22.4655, 25.8792

Triad

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



27.7324, 22.4655, 37.5249



21.8424, 22.4655, 9.3686



15.6371, 22.4655, 34.4094

Complementary

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



27.7324, 22.4655, 37.5249



23.0748, 30.9874, 20.6858

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.



15.0777, 22.4655, 23.0958



27.7324, 22.4655, 37.5249



18.4123, 22.4655, 10.4611

Square

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



27.7324, 22.4655, 37.5249



25.5271, 22.4655, 11.2710



16.0352, 22.4655, 14.8471



17.6603, 22.4655, 45.2555

Rectangle

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



27.7324, 22.4655, 37.5249



28.8493, 22.4655, 19.3083



16.0352, 22.4655, 14.8471



15.2824, 22.4655, 30.4576

Sweetspot

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



27.7331, 22.4665, 37.5254



57.8721, 56.6449, 69.9394



19.5686, 18.2575, 37.1435



12.8555, 12.4377, 15.6606



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.7331, 22.4665, 37.5254



47.6178, 36.1363, 66.5210



25.7461, 21.6717, 27.0620



7.3644, 7.2022, 8.9051



16.8766, 8.1067, 27.6046



0.3546, 0.1703, 0.5800

Inverse Universe

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



27.7331, 22.4665, 37.5254



47.6178, 36.1363, 66.5210



24.6612, 31.6220, 29.0398



7.3644, 7.2022, 8.9051



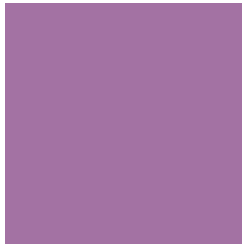
16.8766, 8.1067, 27.6046



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 27.7324, 22.4655, 37.5249 looks on a white background.

Color Contrast Check

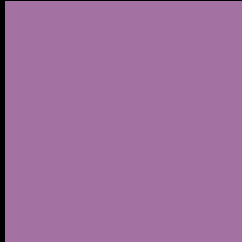
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7324, 22.4655, 37.5249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

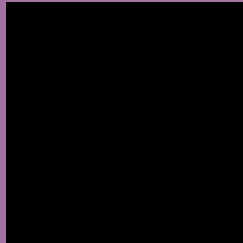
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7324, 22.4655, 37.5249

Background



This preview shows how black text looks on a background with the XYZ color 27.7324, 22.4655, 37.5249.



This preview shows how white text looks on a background with the XYZ color 27.7324, 22.4655,

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

27.7324, 22.4655, 37.5249

Protanopia

22.9615, 22.6081, 43.1980

Deuteranopia

22.9664, 22.5656, 36.4028



Tritanopia

25.0438, 22.4156, 24.1258

Trichromacy



Original Color

27.7324, 22.4655, 37.5249

Protanomaly

24.2949, 22.3859, 41.0706

Deuteranomaly

24.5005, 22.4018, 36.7509

Tritanomaly

25.8581, 22.3834, 28.5488

Monochromacy



Original Color

27.7324, 22.4655, 37.5249

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.3773, 23.2428, 29.9896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7324, 22.4655, 37.5249 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(163, 114, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 114, 163)  
}
```

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(163, 114, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 114, 163) }
```

Border

The CSS property to change the border of an element to XYZ 27.7324, 22.4655, 37.5249 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(163, 114, 163) }
```


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

```
.border{ border-color:rgb(163, 114, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 114, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 114, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 114, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 114,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7324, 22.4655, 37.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 114, 163) }
```

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

```
.background{ background-color: rgb(163,  
114, 163) }
```

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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