

Converting Colors

XYZ(27.5665, 22.9678, 49.9940)

Have a look what the booklet for
XYZ(27.5665, 22.9678, 49.9940)
contains.

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Color

**XYZ(27.5991, 22.9846,
49.9955)**

Conversions

Conversions Part 1

Format	Color
Hex	9377BB
RGB	147, 119, 187
RGB Percent	58%, 47%, 73%
CMY	0.4235, 0.5333, 0.2667
CMYK	0.21, 0.36, 0.00, 0.27
HSL	265°, 33%, 60%
HSV	265°, 36%, 73%
XYZ	27.5991, 22.9846, 49.9955
YIQ	135.1240, -5.1400, 27.0840

Conversions

Conversions Part 2

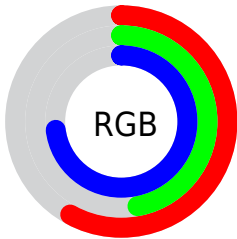
Format	Color
RYB	147, 119, 187
Decimal	9664443
CIELab	55.06, 24.82, -31.78
CIELCh	55, 40.327, 307.985
Yxy	22.9846, 0.2744, 0.2285
Android (android.graphics.Color)	4287854523 (0xFF9377BB)
YUV	135.1240, 25.5749, 10.4153
Hunter-Lab	47.9423, 18.8588, -28.2697

Details

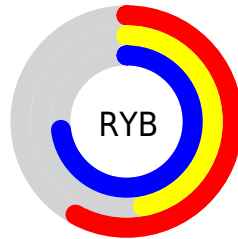
The XYZ color **27.5991, 22.9846, 49.9955** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.3988, 44.2440, 24.1280**, and the grayscale version is **22.9853, 24.1823, 26.3345**.

A 20% lighter version of the original color is **55.2873, 48.5327, 91.2478**, and **11.1431, 8.5067, 23.2449** is the 20% darker color. If you saturate the color by 10%, you get **23.7097, 17.9949, 49.2378**, and if you desaturate by 10%, it is **32.1166, 28.9491, 50.9091**.

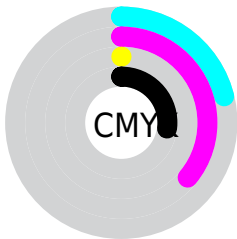
Distribution



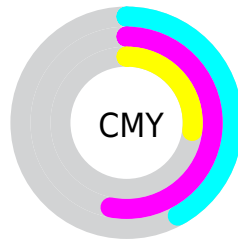
- Red (58%)
- Green (47%)
- Blue (73%)



- Red (58%)
- Yellow (47%)
- Blue (73%)



- Cyan (21%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (42%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5991, 22.9846, 49.9955 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 27.5991, 22.9846, 49.9955 by changing the saturation by 10% instead.

■ 27.5991, 22.9846,
49.9955

■ 27.5991, 22.9846,
49.9955

282.6612,
267.6459, 403.3829

■ 18.1626, 14.5821,
35.0387

■ 55.2569, 48.3680,
91.5644

■ 11.1672, 8.5266,
23.4089

■ 74.2088, 66.1178,
119.0136

■ 6.2475, 4.4337,
14.6876

■ 97.0633, 87.7521,
151.4640

■ 3.0382, 1.9190,
8.4562

124.1857,
113.6554, 189.3342

■ 1.1740, 0.5598,
4.2963

155.9414,
144.2120, 233.0426

■ 0.0857, 0.0000,
1.7893

192.6956,

■ 0.0000, 0.0000,

179.8064, 283.0078

0.4209

234.8137,
220.8229, 339.6484

■ 0.0000, 0.0000,
0.0000

■ 27.5991, 22.9846,
49.9955

■ 27.5991, 22.9846,
49.9955

■ 23.7097, 17.9949,
49.2378

■ 32.1166, 28.9491,
50.9091

■ 20.4149, 13.9229,
48.6254

■ 37.2886, 35.9357,
51.9850

■ 17.6815, 10.7097,
48.1493

■ 43.1427, 43.9916,
53.2314

■ 15.4717, 8.2881,
47.7984

■ 49.7042, 53.1607,
54.6554

■ 13.7420, 6.5802,
47.5599

■ 56.9970, 63.4839,
56.2636

■ 12.4370, 5.4850,
47.4172

■ 65.0439, 75.0002,
58.0624

■ 12.0303, 5.1657,
47.3771

■ 73.8666, 87.7469,
60.0577

■ 78.9915, 92.7705,
60.7572

■ 82.7366, 94.7012,
60.9325

Harmonies

Analogous

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



23.0670, 22.9846, 58.3452



27.5991, 22.9846, 49.9955



30.8625, 22.9846, 35.4803

Triad

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



27.5991, 22.9846, 49.9955



25.2431, 22.9846, 8.3953



14.3664, 22.9846, 28.6187

Complementary

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



27.5991, 22.9846, 49.9955



35.3988, 44.2440, 24.1280

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.



14.7829, 22.9846, 16.8585



27.5991, 22.9846, 49.9955



20.6692, 22.9846, 7.6634

Square

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



27.5991, 22.9846, 49.9955



29.3778, 22.9846, 12.6895



16.9540, 22.9846, 10.1642



15.7262, 22.9846, 43.5259

Rectangle

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



27.5991, 22.9846, 49.9955



31.6547, 22.9846, 25.9054



16.9540, 22.9846, 10.1642



14.3072, 22.9846, 24.1674

Sweetspot

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



27.5999, 22.9855, 49.9960



72.0634, 71.5960, 94.2227



29.1143, 32.5829, 51.7687



15.5574, 15.3374, 20.6830



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.5999, 22.9855, 49.9960



43.5387, 33.5879, 88.3898



34.4361, 26.5097, 50.3160



9.3786, 9.4120, 11.9946



8.3668, 3.5993, 32.6467



0.4022, 0.1794, 1.2823

Inverse Universe

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



33.3490, 26.2625, 36.1132



55.6948, 40.5281, 58.5314



29.6756, 41.2935, 23.8601



9.7592, 9.6280, 11.1210



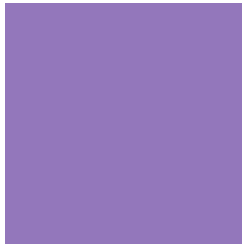
16.0960, 8.0696, 11.0652



0.6623, 0.3288, 0.6008

Previews

White Background



This preview shows how the XYZ color 27.5991, 22.9846, 49.9955 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 27.5991, 22.9846, 49.9955 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 27.5991, 22.9846, 49.9955

Background



This preview shows how black text looks on a background with the XYZ color 27.5991, 22.9846, 49.9955.



This preview shows how white text looks on a background with the XYZ color 27.5991, 22.9846,

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

27.5991, 22.9846, 49.9955

Protanopia

24.3768, 23.2658, 55.4305

Deuteranopia

23.6790, 23.0455, 49.0991



Tritanopia

23.1579, 23.0536, 27.6553

Trichromacy



Original Color

27.5991, 22.9846, 49.9955

Protanomaly

25.2549, 22.9829, 53.5571

Deuteranomaly

24.9280, 22.9025, 49.5612

Tritanomaly

24.4897, 22.8183, 34.5661

Monochromacy



Original Color

27.5991, 22.9846, 49.9955

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.3305, 23.5226, 33.8298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5991, 22.9846, 49.9955 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(147, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(147, 119, 187)  
}
```

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(147, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 119, 187) }
```

Border

The CSS property to change the border of an element to XYZ 27.5991, 22.9846, 49.9955 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(147, 119, 187) }
```


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

```
.border{ border-color:rgb(147, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(147, 119,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5991, 22.9846, 49.9955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 119, 187) }
```

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

```
.background{ background-color: rgb(147,  
119, 187) }
```

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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