

Converting Colors

XYZ(19.9996, 13.8122, 28.0945)

Have a look what the booklet for
XYZ(19.9996, 13.8122, 28.0945)
contains.

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Color

**XYZ(19.9712, 13.7583,
27.9886)**

Conversions

Conversions Part 1

Format	Color
Hex	944E90
RGB	148, 78, 144
RGB Percent	58%, 31%, 56%
CMY	0.4196, 0.6941, 0.4353
CMYK	0.00, 0.47, 0.03, 0.42
HSL	303°, 31%, 44%
HSV	303°, 47%, 58%
XYZ	19.9712, 13.7583, 27.9886
YIQ	106.4540, 20.5340, 35.3660

Conversions

Conversions Part 2

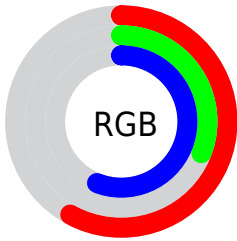
Format	Color
RYB	148, 78, 144
Decimal	9719440
CIELab	43.88, 39.13, -23.92
CIELCh	44, 45.861, 328.566
Yxy	13.7583, 0.3236, 0.2229
Android (android.graphics.Color)	4287909520 (0xFF944E90)
YUV	106.4540, 18.5102, 36.4358
Hunter-Lab	37.0922, 31.1968, -18.7739

Details

The XYZ color **19.9712, 13.7583, 27.9886** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.2554, 23.4093, 11.6979**, and the grayscale version is **13.7714, 14.4886, 15.7781**.

A 20% lighter version of the original color is **42.9451, 32.6151, 57.4580**, and **7.1104, 4.0537, 10.7636** is the 20% darker color. If you saturate the color by 10%, you get **18.9714, 11.8615, 27.3377**, and if you desaturate by 10%, it is **21.2091, 16.1299, 28.7215**.

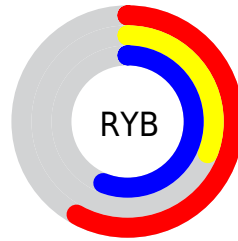
Distribution



Red (58%)

Green (31%)

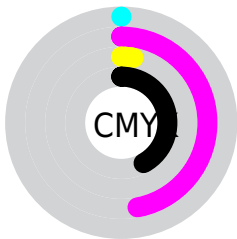
Blue (56%)



Red (58%)

Yellow (31%)

Blue (56%)

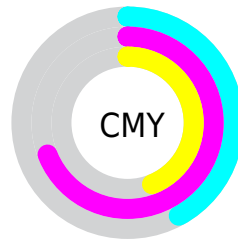


Cyan (0%)

Magenta (47%)

Yellow (3%)

Black (42%)



Cyan (42%)

Magenta (69%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9712, 13.7583, 27.9886 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 19.9712, 13.7583, 27.9886 by changing the saturation by 10% instead.

■ 19.9712, 13.7583,
27.9886

■ 19.9712, 13.7583,
27.9886

244.5957,
215.7220, 306.3227

■ 12.4823, 7.9528,
18.0781

■ 42.8732, 32.6595,
57.4891

■ 7.1475, 4.0647,
10.8361

■ 59.0170, 46.5240,
77.9162

■ 3.6017, 1.7098,
5.8439

■ 78.7764, 63.8436,
102.6859

■ 1.4794, 0.4300,
2.6832

■ 102.5168, 85.0027,
132.2168

■ 0.3117, 0.0000,
0.9349

■ 130.6036,
110.3857, 166.9274

■ 0.0000, 0.0000,
0.0000

163.4021,

140.3770, 207.2362

201.2777,
175.3609, 253.5618

■ 19.9712, 13.7583,
27.9886

■ 19.9712, 13.7583,
27.9886

■ 18.9714, 11.8615,
27.3377

■ 21.2091, 16.1299,
28.7215

■ 18.1922, 10.4053,
26.7625

■ 22.6982, 19.0035,
29.5405

■ 17.6159, 9.3544,
26.2574

■ 24.4524, 22.4066,
30.4502

■ 17.2218, 8.6668,
25.8154

■ 26.4843, 26.3640,
31.4549

■ 16.9732, 8.2696,
25.4242

■ 28.8054, 30.8992,
32.5584

■ 16.9129, 8.1760,
25.3211

■ 31.4267, 36.0341,
33.7644

■ 34.3587, 41.7895,
35.0764

■ 37.6113, 48.1854,
36.4976

■ 41.1939, 55.2406,
38.0313

Harmonies

Analogous

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



16.7010, 13.7583, 40.2410



19.9712, 13.7583, 27.9886



21.3557, 13.7583, 15.4855

Triad

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



19.9712, 13.7583, 27.9886



13.2520, 13.7583, 2.5743



7.8608, 13.7583, 26.6966

Complementary

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



19.9712, 13.7583, 27.9886



15.2554, 23.4093, 11.6979

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.



7.2732, 13.7583, 14.4865



19.9712, 13.7583, 27.9886



10.0191, 13.7583, 3.3985

Square

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



19.9712, 13.7583, 27.9886



17.0591, 13.7583, 3.5877



7.9857, 13.7583, 6.7953



9.7682, 13.7583, 39.2834

Rectangle

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



19.9712, 13.7583, 27.9886



20.8596, 13.7583, 9.4811



7.9857, 13.7583, 6.7953



7.5198, 13.7583, 22.2776

Sweetspot

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



19.9717, 13.7589, 27.9889



44.1731, 41.5355, 54.2437



11.5067, 9.3591, 29.2174



9.9286, 9.1797, 12.3049



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.9717, 13.7589, 27.9889



33.3431, 20.6829, 48.1446



17.7250, 12.8603, 16.1583



6.0212, 5.9035, 7.2175



14.4495, 6.9849, 21.6460



0.1804, 0.0869, 0.2834

Inverse Universe

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



19.9717, 13.7589, 27.9889



33.3431, 20.6829, 48.1446



16.9139, 24.0727, 20.4316



6.0212, 5.9035, 7.2175



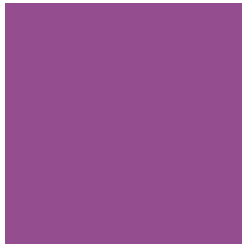
14.4495, 6.9849, 21.6460



0.1804, 0.0869, 0.2834

Previews

White Background



This preview shows how the XYZ color 19.9712, 13.7583, 27.9886 looks on a white 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

Black Background



This preview shows how the XYZ color 19.9712, 13.7583, 27.9886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

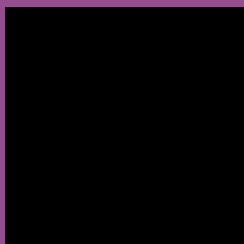
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9712, 13.7583, 27.9886

Background



This preview shows how black text looks on a background with the XYZ color 19.9712, 13.7583, 27.9886.



This preview shows how white text looks on a background with the XYZ color 19.9712, 13.7583,

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

19.9712, 13.7583, 27.9886

Protanopia

14.8456, 13.9324, 37.0287

Deuteranopia

14.3032, 14.0268, 26.7645



Tritanopia

16.8390, 13.7401, 12.8309

Trichromacy



Original Color

19.9712, 13.7583, 27.9886

Protanomaly

15.8259, 13.2663, 33.6248

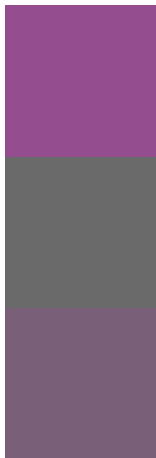
Deuteranomaly

15.7499, 13.5059, 26.9761

Tritanomaly

17.7307, 13.6185, 17.3169

Monochromacy



Original Color

19.9712, 13.7583, 27.9886

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.4582, 13.7868, 19.6157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9712, 13.7583, 27.9886 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(148, 78, 144)` looks like.

```
.text, #text, p{  
    color:rgb(148, 78, 144)  
}
```

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(148, 78, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 78, 144) }
```

Border

The CSS property to change the border of an element to XYZ 19.9712, 13.7583, 27.9886 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(148, 78, 144) }
```


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

```
.border{ border-color:rgb(148, 78, 144) }
```

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

Here you see how a box with a 4 pixel rgb(148, 78, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 78, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 78, 144);  
box-shadow:4px 4px 4px 4px rgb(148, 78,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9712, 13.7583, 27.9886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 78, 144) }
```

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

```
.background{ background-color: rgb(148, 78,  
144) }
```

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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