

Converting Colors

XYZ(24.8998, 29.3699, 21.4370)

Have a look what the booklet for
XYZ(24.8998, 29.3699, 21.4370)
contains.

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Color

**XYZ(24.9778, 29.4088,
21.4995)**

Conversions

Conversions Part 1

Format	Color
Hex	899976
RGB	137, 153, 118
RGB Percent	54%, 60%, 46%
CMY	0.4627, 0.4000, 0.5372
CMYK	0.10, 0.00, 0.23, 0.40
HSL	87°, 15%, 53%
HSV	87°, 23%, 60%
XYZ	24.9778, 29.4088, 21.4995
YIQ	144.2260, 1.6990, -14.2770

Conversions

Conversions Part 2

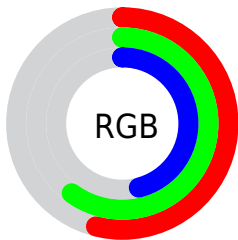
Format	Color
RYB	118, 153, 134
Decimal	9017718
CIELab	61.14, -12.24, 16.54
CIELCh	61, 20.575, 126.502
Yxy	29.4088, 0.3291, 0.3875
Android (android.graphics.Color)	4287207798 (0xFF899976)
YUV	144.2260, -12.9294, -6.3372
Hunter-Lab	54.2299, -12.6868, 14.4553

Details

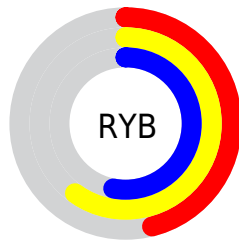
The XYZ color **24.9778, 29.4088, 21.4995** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.0608, 20.3258, 32.8990**, and the grayscale version is **26.6510, 28.0390, 30.5344**.

A 20% lighter version of the original color is **51.0544, 58.6043, 46.6511**, and **9.7560, 11.9587, 7.4243** is the 20% darker color. If you saturate the color by 10%, you get **23.0318, 28.5032, 17.0412**, and if you desaturate by 10%, it is **27.1472, 30.4143, 26.7395**.

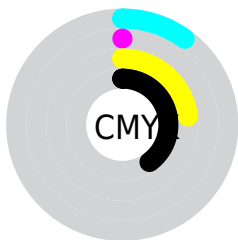
Distribution



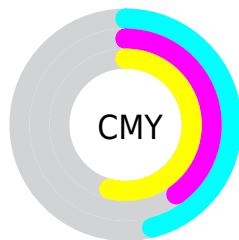
- Red (54%)
- Green (60%)
- Blue (46%)



- Red (46%)
- Yellow (60%)
- Blue (53%)



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9778, 29.4088, 21.4995 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 24.9778, 29.4088, 21.4995 by changing the saturation by 10% instead.

■ 24.9778, 29.4088,
21.4995

■ 24.9778, 29.4088,
21.4995

270.0770,
299.1389, 272.7890

■ 16.1892, 19.3903,
13.2948

■ 51.0644, 58.7260,
46.8089

■ 9.7498, 11.9526,
7.4988

■ 69.0930, 78.7934,
64.7507

■ 5.2944, 6.7114,
3.6928

■ 90.9323, 102.9793,
86.7753

■ 2.4575, 3.2823,
1.4584

116.9477,
131.6680, 113.3012

■ 0.8739, 1.2808,
0.1866

147.5045,
165.2439, 144.7470

■ 0.0000, 0.1263,
0.0000

182.9681,

■ 0.0000, 0.0000,

204.0914, 181.5312

0.0000

223.7038,
248.5950, 224.0724

■ 24.9778, 29.4088,
21.4995

■ 24.9778, 29.4088,
21.4995

■ 23.0318, 28.5032,
17.0412

■ 27.1472, 30.4143,
26.7395

■ 21.2984, 27.6900,
13.3250

■ 29.5457, 31.5193,
32.7940

■ 19.7693, 26.9669,
10.3112

■ 32.1817, 32.7281,
39.6967

■ 18.4345, 26.3295,
7.9553

■ 35.0622, 34.0438,
47.4785

■ 17.2832, 25.7735,
6.2077

■ 38.1941, 35.4693,
56.1688

■ 16.3029, 25.2936,
5.0119

■ 41.5840, 37.0073,
65.7958

■ 15.4795, 24.8840,
4.3008

■ 45.2382, 38.6604,
76.3862

■ 14.9637, 24.6250,
3.9644

■ 49.1627, 40.4314,
87.9660

■ 53.2497, 42.2770,
99.9615

Harmonies

Analogous

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



27.3687, 29.4088, 19.4093



24.9778, 29.4088, 21.4995



23.4585, 29.4088, 26.4539

Triad

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



24.9778, 29.4088, 21.4995



25.9339, 29.4088, 47.6743



33.4312, 29.4088, 30.3678

Complementary

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



24.9778, 29.4088, 21.4995



22.0608, 20.3258, 32.8990

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.



32.9859, 29.4088, 38.3194



24.9778, 29.4088, 21.4995



28.5439, 29.4088, 49.1719

Square

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



24.9778, 29.4088, 21.4995



23.9852, 29.4088, 41.6994



31.1538, 29.4088, 45.5137



32.3341, 29.4088, 23.9699

Rectangle

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



24.9778, 29.4088, 21.4995



23.0863, 29.4088, 31.1229



31.1538, 29.4088, 45.5137



33.4579, 29.4088, 32.9365

Sweetspot

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



24.9786, 29.4101, 21.5001



51.0288, 55.5790, 53.9245



24.8985, 25.0625, 20.6652



11.2185, 12.2497, 11.7828



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.9786, 29.4101, 21.5001



43.0596, 51.8899, 34.6141



22.3732, 28.0670, 21.3782



6.4364, 7.0824, 6.6337



12.4055, 20.3711, 3.2782



0.2274, 0.3262, 0.0510

Inverse Universe

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



22.0608, 20.3258, 32.8990



36.9761, 32.9481, 58.3827



25.0382, 21.8608, 33.0384



6.1393, 6.1577, 7.7940



6.8743, 2.9949, 25.1235



0.1440, 0.0660, 0.3775

Previews

White Background



This preview shows how the XYZ color 24.9778, 29.4088, 21.4995 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 24.9778, 29.4088, 21.4995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

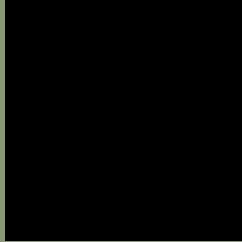
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9778, 29.4088, 21.4995

Background



This preview shows how black text looks on a background with the XYZ color 24.9778, 29.4088, 21.4995.



This preview shows how white text looks on a background with the XYZ color 24.9778, 29.4088,

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

24.9778, 29.4088, 21.4995

Protanopia

27.4329, 29.2733, 20.4241

Deuteranopia

29.8578, 29.3600, 21.8627



Tritanopia

28.0194, 29.2103, 36.9623

Trichromacy



Original Color

24.9778, 29.4088, 21.4995

Protanomaly

26.4775, 29.2399, 20.7713

Deuteranomaly

27.9067, 29.2606, 21.6298

Tritanomaly

26.7660, 29.1712, 30.6054

Monochromacy



Original Color

24.9778, 29.4088, 21.4995

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.7914, 28.2794, 27.0208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9778, 29.4088, 21.4995 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(137, 153, 118)` looks like.

```
.text, #text, p{  
    color:rgb(137, 153, 118)  
}
```

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(137, 153, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 153, 118) }
```

Border

The CSS property to change the border of an element to XYZ 24.9778, 29.4088, 21.4995 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(137, 153, 118) }
```


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

```
.border{ border-color:rgb(137, 153, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 153, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 153, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 153, 118);  
box-shadow:4px 4px 4px 4px rgb(137, 153,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9778, 29.4088, 21.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 153, 118) }
```

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

```
.background{ background-color: rgb(137,  
153, 118) }
```

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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