

Converting Colors

XYZ(28.7315, 24.7295, 63.3346)

Have a look what the booklet for
XYZ(28.7315, 24.7295, 63.3346)
contains.

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Color

**XYZ(28.7709, 24.7687,
63.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	857FD1
RGB	133, 127, 209
RGB Percent	52%, 50%, 82%
CMY	0.4784, 0.5020, 0.1804
CMYK	0.36, 0.39, 0.00, 0.18
HSL	244°, 47%, 66%
HSV	244°, 39%, 82%
XYZ	28.7709, 24.7687, 63.5861
YIQ	138.1420, -22.7460, 26.7740

Conversions

Conversions Part 2

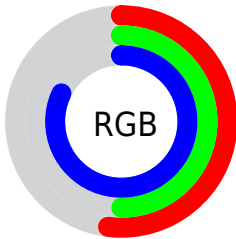
Format	Color
R _Y B	133, 127, 209
Decimal	8749009
CIE Lab	56.85, 21.71, -41.57
CIE LCh	57, 46.899, 297.579
Yxy	24.7687, 0.2456, 0.2115
Android (android.graphics.Color)	4286939089 (0xFF857FD1)
YUV	138.1420, 34.9330, -4.5095
Hunter-Lab	49.7682, 16.0963, -40.9139

Details

The XYZ color **28.7709, 24.7687, 63.5861** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **51.2599, 59.8301, 28.9261**, and the grayscale version is **24.0895, 25.3440, 27.5996**.

A 20% lighter version of the original color is **55.3575, 50.6813, 101.4726**, and **11.7816, 9.4441, 31.7738** is the 20% darker color. If you saturate the color by 10%, you get **23.5651, 18.4855, 62.6482**, and if you desaturate by 10%, it is **35.1023, 32.4642, 64.7382**.

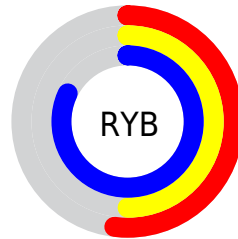
Distribution



Red (52%)

Green (50%)

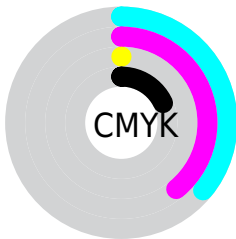
Blue (82%)



Red (52%)

Yellow (50%)

Blue (82%)

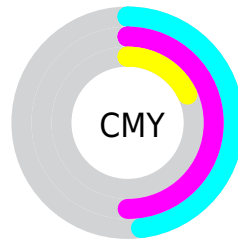


Cyan (36%)

Magenta (39%)

Yellow (0%)

Black (18%)



Cyan (48%)

Magenta (50%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7709, 24.7687, 63.5861 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 28.7709, 24.7687, 63.5861 by changing the saturation by 10% instead.

■ 28.7709, 24.7687,
63.5861

■ 28.7709, 24.7687,
63.5861

288.1462,
276.6841, 455.8598

■ 19.0510, 15.9048,
45.8715

■ 57.1130, 51.2817,
111.6084

■ 11.8114, 9.4568,
31.7965

■ 76.4658, 69.6997,
142.7531

■ 6.6866, 5.0403,
20.9426

■ 99.7604, 92.0711,
179.2116

■ 3.3115, 2.2709,
12.8912

127.3620,
118.7804, 221.4024

■ 1.3205, 0.7583,
7.2238

159.6361,
150.2119, 269.7441

■ 0.1985, 0.0000,
3.5219

196.9479,

■ 0.0000, 0.0000,

186.7501, 324.6552

1.3669

239.6628,
228.7794, 386.5543

■ 0.0000, 0.0000,
0.1157

■ 0.0000, 0.0000,
0.0000

■ 28.7709, 24.7687,
63.5861

■ 28.7709, 24.7687,
63.5861

■ 23.5651, 18.4855,
62.6482

■ 35.1023, 32.4642,
64.7382

■ 19.4163, 13.5259,
61.9095

■ 42.6171, 41.6477,
66.1148

■ 16.2525, 9.7959,
61.3563

■ 51.3725, 52.3928,
67.7273

■ 13.9916, 7.1877,
60.9720

■ 61.4210, 64.7677,
69.5863

■ 12.5382, 5.5745,
60.7373

■ 72.8123, 78.8361,
71.7014

■ 11.7534, 4.7554,
60.6205

■ 85.5932, 94.6587,
74.0818

■ 11.7106, 4.7076,
60.6135

■ 88.5087, 97.3835,
74.4541

Harmonies

Analogous

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



23.0991, 24.7687, 69.8117



28.7709, 24.7687, 63.5861



33.6159, 24.7687, 46.6244

Triad

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



28.7709, 24.7687, 63.5861



29.6623, 24.7687, 8.6612



14.4974, 24.7687, 25.7126

Complementary

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



28.7709, 24.7687, 63.5861



51.2599, 59.8301, 28.9261

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.



15.7132, 24.7687, 13.7982



28.7709, 24.7687, 63.5861



23.9904, 24.7687, 6.6458

Square

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



28.7709, 24.7687, 63.5861



34.1841, 24.7687, 15.2612



18.9883, 24.7687, 8.0763



15.3752, 24.7687, 43.5120

Rectangle

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



28.7709, 24.7687, 63.5861



35.4190, 24.7687, 34.0029



18.9883, 24.7687, 8.0763



14.6700, 24.7687, 20.9787

Sweetspot

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



28.7718, 24.7696, 63.5867



76.3783, 77.0189, 105.4483



41.7437, 52.0803, 68.1745



15.9518, 15.9985, 22.4972



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.7718, 24.7696, 63.5867



38.2229, 30.5121, 98.4826



36.4356, 28.7205, 63.9454



11.2427, 11.4584, 14.8628



7.2520, 2.9188, 37.3737



0.4341, 0.1780, 2.0910

Inverse Universe

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



44.6637, 33.0465, 60.5239



66.5945, 45.2977, 92.6057



41.6407, 54.8712, 28.4759



12.2719, 11.9935, 14.7076



22.2116, 10.7575, 32.3501



1.2533, 0.6061, 1.8689

Previews

White Background



This preview shows how the XYZ color 28.7709, 24.7687, 63.5861 looks on a white background.

Color Contrast Check

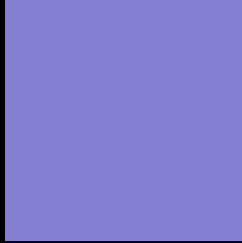
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7709, 24.7687, 63.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

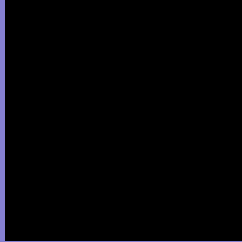
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7709, 24.7687, 63.5861

Background



This preview shows how black text looks on a background with the XYZ color 28.7709, 24.7687, 63.5861.



This preview shows how white text looks on a background with the XYZ color 28.7709, 24.7687,

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

28.7709, 24.7687, 63.5861

Protanopia

26.7347, 25.0207, 67.7104

Deuteranopia

25.5461, 24.9381, 62.4986



Tritanopia

22.4834, 24.6603, 32.4291

Trichromacy



Original Color

28.7709, 24.7687, 63.5861

Protanomaly

27.3290, 24.7497, 66.2876

Deuteranomaly

26.5827, 24.8398, 63.0680

Tritanomaly

24.4721, 24.6282, 41.9920

Monochromacy



Original Color

28.7709, 24.7687, 63.5861

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.3793, 24.9648, 38.6030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7709, 24.7687, 63.5861 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(133, 127, 209)` looks like.

```
.text, #text, p{  
    color:rgb(133, 127, 209)  
}
```

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(133, 127, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 127, 209) }
```

Border

The CSS property to change the border of an element to XYZ 28.7709, 24.7687, 63.5861 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(133, 127, 209) }
```


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

```
.border{ border-color:rgb(133, 127, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 127, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 127, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 127, 209);  
box-shadow:4px 4px 4px 4px rgb(133, 127,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7709, 24.7687, 63.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 127, 209) }
```

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

```
.background{ background-color: rgb(133,  
127, 209) }
```

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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