

Converting Colors

XYZ(28.9700, 26.3939, 67.1860)

Have a look what the booklet for
XYZ(28.9700, 26.3939, 67.1860)
contains.

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Color

**XYZ(28.9700, 26.3939,
67.1860)**

Conversions

Conversions Part 1

Format	Color
Hex	7B87D6
RGB	123, 135, 214
RGB Percent	48%, 53%, 84%
CMY	0.5176, 0.4706, 0.1608
CMYK	0.43, 0.37, 0.00, 0.16
HSL	232°, 53%, 66%
HSV	232°, 43%, 84%
XYZ	28.9700, 26.3939, 67.1860
YIQ	140.4180, -32.5110, 22.0250

Conversions

Conversions Part 2

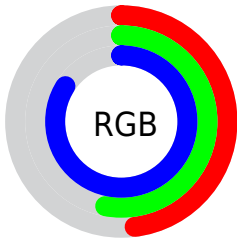
Format	Color
RYB	123, 134, 214
Decimal	8095702
CIELab	58.41, 15.76, -41.98
CIELCh	58, 44.839, 290.581
Yxy	26.3939, 0.2364, 0.2154
Android (android.graphics.Color)	4286285782 (0xFF7B87D6)
YUV	140.4180, 36.2759, -15.2756
Hunter-Lab	51.3750, 10.7487, -41.5744

Details

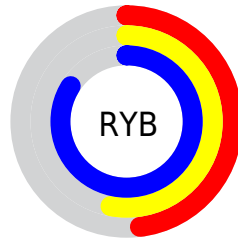
The XYZ color **28.9700, 26.3939, 67.1860** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.4286, 57.9691, 27.1663**, and the grayscale version is **24.9629, 26.2629, 28.6003**.

A 20% lighter version of the original color is **54.6236, 52.7701, 101.9144**, and **11.9697, 10.3877, 34.1750** is the 20% darker color. If you saturate the color by 10%, you get **23.8668, 20.2454, 66.2687**, and if you desaturate by 10%, it is **35.1966, 33.7939, 68.2867**.

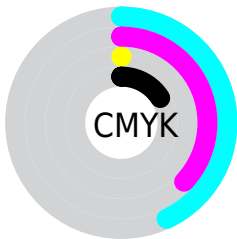
Distribution



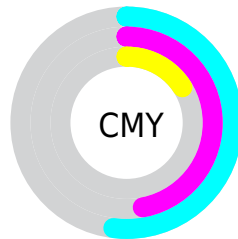
- Red (48%)
- Green (53%)
- Blue (84%)



- Red (48%)
- Yellow (53%)
- Blue (84%)



- Cyan (43%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)



- Cyan (52%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9700, 26.3939, 67.1860 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 28.9700, 26.3939, 67.1860 by changing the saturation by 10% instead.

■ 28.9700, 26.3939,
67.1860

■ 28.9700, 26.3939,
67.1860

289.0701,
284.7104, 469.1261

■ 19.2023, 17.1186,
48.7733

■ 57.4273, 53.9097,
116.8301

■ 11.9214, 10.3191,
34.0753

■ 76.8476, 72.9190,
148.8985

■ 6.7620, 5.6110,
22.6736

■ 100.2162, 95.9417,
186.3558

■ 3.3587, 2.6100,
14.1497

127.8983,
123.3622, 229.6207

■ 1.3462, 0.9317,
8.0849

160.2595,
155.5649, 279.1116

■ 0.2174, 0.0000,
4.0608

197.6649,

■ 0.0000, 0.0000,

192.9343, 335.2471

1.6587

240.4800,
235.8546, 398.4458

■ 0.0000, 0.0000,
0.3322

■ 0.0000, 0.0000,
0.0000

■ 28.9700, 26.3939,
67.1860

■ 28.9700, 26.3939,
67.1860

■ 23.8668, 20.2454,
66.2687

■ 35.1966, 33.7939,
68.2867

■ 19.8164, 15.2758,
65.5229

■ 42.6055, 42.5067,
69.5779

■ 16.7450, 11.4094,
64.9385

■ 51.2550, 52.5931,
71.0689

■ 14.5673, 8.5601,
64.5033

■ 61.1987, 64.1092,
72.7676

■ 13.1833, 6.6289,
64.2035

■ 72.4870, 77.1079,
74.6817

■ 12.5581, 5.6958,
64.0564

■ 85.1675, 91.6396,
76.8183

■ 89.1377, 97.6351,
77.7663

Harmonies

Analogous

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



23.4037, 26.3939, 69.8935



28.9700, 26.3939, 67.1860



34.1243, 26.3939, 52.4337

Triad

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



28.9700, 26.3939, 67.1860



32.3785, 26.3939, 11.1795



16.0725, 26.3939, 24.0836

Complementary

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



28.9700, 26.3939, 67.1860



52.4286, 57.9691, 27.1663

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.



17.8047, 26.3939, 13.5365



28.9700, 26.3939, 67.1860



26.8483, 26.3939, 8.0832

Square

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



28.9700, 26.3939, 67.1860



36.2823, 26.3939, 19.3940



21.5668, 26.3939, 8.7520



16.4694, 26.3939, 40.6858

Rectangle

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



28.9700, 26.3939, 67.1860



36.3756, 26.3939, 39.9665



21.5668, 26.3939, 8.7520



16.4144, 26.3939, 19.8389

Sweetspot

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



28.9710, 26.3949, 67.1866



75.3847, 77.2387, 105.5431



42.8608, 56.5628, 64.4539



15.4921, 15.7839, 22.4800



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.



28.9710, 26.3949, 67.1866



36.1875, 30.9509, 98.6746



33.0032, 26.1270, 66.9224



11.8733, 12.2700, 15.6801



7.6334, 3.5287, 38.7319



0.5045, 0.3011, 2.3508

Inverse Universe

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



39.1886, 30.2127, 26.6885



53.4570, 37.8705, 30.1213



46.5929, 59.3035, 27.7314



12.4892, 12.4472, 13.2506



16.9119, 8.7011, 1.5740



1.0423, 0.5337, 0.2122

Previews

White Background



This preview shows how the XYZ color 28.9700, 26.3939, 67.1860 looks on a white background.

Color Contrast Check

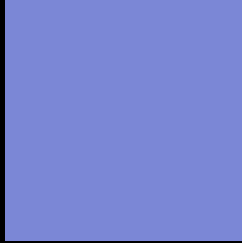
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9700, 26.3939, 67.1860 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 28.9700, 26.3939, 67.1860

Background



This preview shows how black text looks on a background with the XYZ color 28.9700, 26.3939, 67.1860.



This preview shows how white text looks on a background with the XYZ color 28.9700, 26.3939,

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

28.9700, 26.3939, 67.1860

Protanopia

28.1652, 26.5796, 68.6116

Deuteranopia

27.2140, 26.5635, 66.6437



Tritanopia

22.6348, 26.2145, 36.2147

Trichromacy



Original Color

28.9700, 26.3939, 67.1860

Protanomaly

28.4139, 26.5106, 67.9095

Deuteranomaly

27.7808, 26.4258, 66.5873

Tritanomaly

24.5189, 26.0711, 45.8594

Monochromacy



Original Color

28.9700, 26.3939, 67.1860

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.8950, 26.0353, 40.2197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9700, 26.3939, 67.1860 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(123, 135, 214)` looks like.

```
.text, #text, p{  
    color:rgb(123, 135, 214)  
}
```

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(123, 135, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 135, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.9700, 26.3939, 67.1860 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(123, 135, 214) }
```


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

```
.border{ border-color:rgb(123, 135, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 135, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 135, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 135, 214);  
box-shadow:4px 4px 4px 4px rgb(123, 135,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9700, 26.3939, 67.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 135, 214) }
```

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

```
.background{ background-color: rgb(123,  
135, 214) }
```

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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