

Converting Colors

XYZ(28.3733, 25.5422, 66.9258)

Have a look what the booklet for
XYZ(28.3733, 25.5422, 66.9258)
contains.

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Color

**XYZ(28.4149, 25.4951,
67.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	7A84D6
RGB	122, 132, 214
RGB Percent	48%, 52%, 84%
CMY	0.5216, 0.4823, 0.1608
CMYK	0.43, 0.38, 0.00, 0.16
HSL	233°, 53%, 66%
HSV	233°, 43%, 84%
XYZ	28.4149, 25.4951, 67.0418
YIQ	138.3580, -32.2820, 23.3820

Conversions

Conversions Part 2

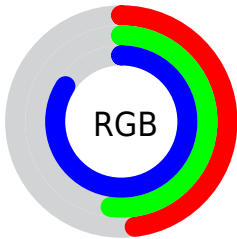
Format	Color
RYB	122, 131, 214
Decimal	8029398
CIELab	57.55, 17.28, -43.33
CIELCh	58, 46.648, 291.745
Yxy	25.4951, 0.2349, 0.2108
Android (android.graphics.Color)	4286219478 (0xFF7A84D6)
YUV	138.3580, 37.2915, -14.3460
Hunter-Lab	50.4927, 12.0892, -43.3776

Details

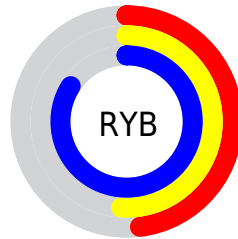
The XYZ color **28.4149, 25.4951, 67.0418** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.8385, 58.8887, 26.9955**, and the grayscale version is **24.1657, 25.4242, 27.6870**.

A 20% lighter version of the original color is **53.7591, 51.3829, 101.6922**, and **11.6660, 9.8830, 34.0936** is the 20% darker color. If you saturate the color by 10%, you get **23.3574, 19.3931, 66.1310**, and if you desaturate by 10%, it is **34.6144, 32.8887, 68.1426**.

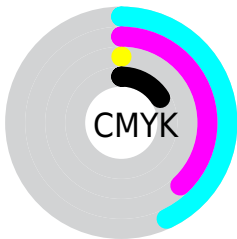
Distribution



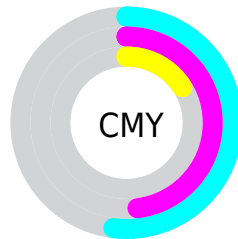
- Red (48%)
- Green (52%)
- Blue (84%)



- Red (48%)
- Yellow (51%)
- Blue (84%)



- Cyan (43%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)



- Cyan (52%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4149, 25.4951, 67.0418 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 28.4149, 25.4951, 67.0418 by changing the saturation by 10% instead.

■ 28.4149, 25.4951,
67.0418

■ 28.4149, 25.4951,
67.0418

286.4884,
280.2947, 468.5991

■ 18.7807, 16.4463,
48.6568

■ 56.5502, 52.4593,
116.6215

■ 11.6150, 9.8405,
33.9836

■ 75.7820, 71.1435,
148.6533

■ 6.5524, 5.2933,
22.6038

■ 98.9437, 93.8082,
186.0711

■ 3.2276, 2.4204,
14.0987

126.4007,
120.8380, 229.2934

■ 1.2752, 0.8363,
8.0498

158.5183,
152.6171, 278.7389

■ 0.1646, 0.0000,
4.0386

195.6619,

■ 0.0000, 0.0000,

189.5300, 334.8259

1.6465

238.1968,
231.9611, 397.9732

■ 0.0000, 0.0000,
0.3237

■ 0.0000, 0.0000,
0.0000

■ 28.4149, 25.4951,
67.0418

■ 28.4149, 25.4951,
67.0418

■ 23.3574, 19.3931,
66.1310

■ 34.6144, 32.8887,
68.1426

■ 19.3688, 14.5054,
65.3979

■ 42.0171, 41.6395,
69.4416

■ 16.3723, 10.7509,
64.8311

■ 50.6832, 51.8120,
70.9483

■ 14.2793, 8.0372,
64.4176

■ 60.6681, 63.4657,
72.6714

■ 12.9849, 6.2569,
64.1422

■ 72.0238, 76.6569,
74.6191

■ 12.4492, 5.4781,
64.0201

■ 84.7996, 91.4386,
76.7989

■ 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.



22.7287, 25.4951, 70.4503



28.4149, 25.4951, 67.0418



33.6395, 25.4951, 51.3745

Triad

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



28.4149, 25.4951, 67.0418



31.4767, 25.4951, 9.9841



15.1135, 25.4951, 23.5896

Complementary

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



28.4149, 25.4951, 67.0418



52.8385, 58.8887, 26.9955

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.



16.7661, 25.4951, 12.7846



28.4149, 25.4951, 67.0418



25.8008, 25.4951, 7.1407

Square

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



28.4149, 25.4951, 67.0418



35.5871, 25.4951, 17.8874



20.4818, 25.4951, 7.9207



15.5931, 25.4951, 40.7253

Rectangle

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



28.4149, 25.4951, 67.0418



35.8757, 25.4951, 38.5038



20.4818, 25.4951, 7.9207



15.4277, 25.4951, 19.2272

Sweetspot

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



28.4159, 25.4960, 67.0424



75.1760, 76.8214, 105.4736



42.8849, 56.5560, 65.3236



15.4414, 15.6824, 22.4631



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.



28.4159, 25.4960, 67.0424



35.0515, 29.2243, 98.4012



33.0550, 25.9704, 66.8895



11.8502, 12.2238, 15.6724



7.5620, 3.3858, 38.7081



0.4936, 0.2793, 2.3472

Inverse Universe

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



38.8568, 29.8824, 25.5504



52.7505, 37.0782, 27.9722



46.0892, 59.0510, 27.3825



12.4776, 12.4425, 13.1892



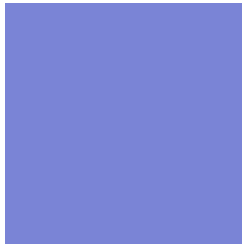
16.8758, 8.6866, 1.3841



1.0368, 0.5315, 0.1832

Previews

White Background



This preview shows how the XYZ color 28.4149, 25.4951, 67.0418 looks on a white background.

Color Contrast Check

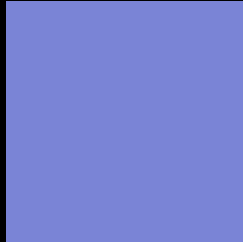
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4149, 25.4951, 67.0418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

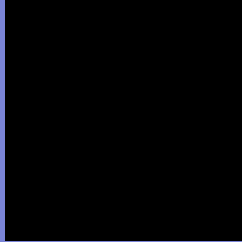
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4149, 25.4951, 67.0418

Background



This preview shows how black text looks on a background with the XYZ color 28.4149, 25.4951, 67.0418.



This preview shows how white text looks on a background with the XYZ color 28.4149, 25.4951,

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

28.4149, 25.4951, 67.0418

Protanopia

27.3727, 25.5258, 69.1299

Deuteranopia

26.3542, 25.6904, 66.5205



Tritanopia

22.0374, 25.4726, 35.2077

Trichromacy



Original Color

28.4149, 25.4951, 67.0418

Protanomaly

27.7298, 25.5188, 68.4298

Deuteranomaly

26.9987, 25.6006, 66.4692

Tritanomaly

23.9960, 25.3752, 45.2282

Monochromacy



Original Color

28.4149, 25.4951, 67.0418

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.2028, 25.2670, 39.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4149, 25.4951, 67.0418 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(122, 132, 214)` looks like.

```
.text, #text, p{  
    color:rgb(122, 132, 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(122, 132, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 132, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.4149, 25.4951, 67.0418 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(122, 132, 214) }
```


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

```
.border{ border-color:rgb(122, 132, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 132, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 132, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 132, 214);  
box-shadow:4px 4px 4px 4px rgb(122, 132,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4149, 25.4951, 67.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 132, 214) }
```

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

```
.background{ background-color: rgb(122,  
132, 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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