

Converting Colors

XYZ(25.0076, 27.7455, 69.0039)

Have a look what the booklet for
XYZ(25.0076, 27.7455, 69.0039)
contains.

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Color

**XYZ(24.9319, 27.6113,
68.9812)**

Conversions

Conversions Part 1

Format	Color
Hex	3896D8
RGB	56, 150, 216
RGB Percent	22%, 59%, 85%
CMY	0.7803, 0.4118, 0.1529
CMYK	0.74, 0.31, 0.00, 0.15
HSL	205°, 67%, 53%
HSV	205°, 74%, 85%
XYZ	24.9319, 27.6113, 68.9812
YIQ	129.4180, -77.2100, 0.5980

Conversions

Conversions Part 2

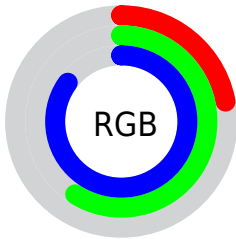
Format	Color
R _Y B	56, 115, 216
Decimal	3708632
CIE Lab	59.54, -5.52, -41.54
CIE LCh	60, 41.903, 262.433
Yxy	27.6113, 0.2052, 0.2272
Android (android.graphics.Color)	4281898712 (0xFF3896D8)
YUV	129.4180, 42.6849, -64.3876
Hunter-Lab	52.5465, -7.2628, -41.0514

Details

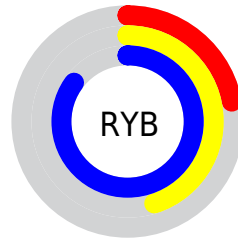
The XYZ color **24.9319, 27.6113, 68.9812** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **35.9941, 28.8064, 7.4060**, and the grayscale version is **20.8886, 21.9764, 23.9323**.

A 20% lighter version of the original color is **47.8112, 54.6167, 102.6299**, and **10.9902, 11.6876, 35.3949** is the 20% darker color. If you saturate the color by 10%, you get **22.6064, 24.3817, 68.4810**, and if you desaturate by 10%, it is **27.8880, 31.3273, 69.5432**.

Distribution



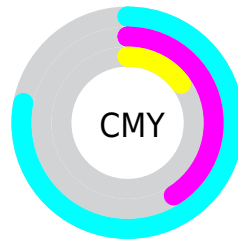
- Red (22%)
- Green (59%)
- Blue (85%)



- Red (22%)
- Yellow (45%)
- Blue (85%)



- Cyan (74%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)



- Cyan (78%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9319, 27.6113, 68.9812 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 24.9319, 27.6113, 68.9812 by changing the saturation by 10% instead.

■ 24.9319, 27.6113,
68.9812

■ 24.9319, 27.6113,
68.9812

269.8525,
290.6049, 475.6568

■ 16.1548, 18.0329,
50.2247

■ 50.9904, 55.8633,
119.4222

■ 9.7253, 10.9736,
35.2196

■ 69.0025, 75.3056,
151.9438

■ 5.2781, 6.0491,
23.5472

■ 90.8237, 98.8046,
189.8908

■ 2.4477, 2.8749,
14.7890

■ 116.8192,
126.7448, 233.6819

■ 0.8690, 1.0668,
8.5264

■ 147.3545,
159.5105, 283.7354

■ 0.0000, 0.0000,
4.3410

182.7949,

■ 0.0000, 0.0000,

197.4862, 340.4701

1.8142

223.5058,
241.0562, 404.3044

■ 0.0000, 0.0000,
0.4373

■ 0.0000, 0.0000,
0.0000

■ 24.9319, 27.6113,
68.9812

■ 24.9319, 27.6113,
68.9812

■ 22.6064, 24.3817,
68.4810

■ 27.8880, 31.3273,
69.5432

■ 20.8338, 21.5936,
68.0362

■ 31.5335, 35.5624,
70.1685

■ 19.9707, 20.1097,
67.7953

■ 35.9231, 40.3483,
70.8610

■ 41.1049, 45.7131,
71.6234

■ 47.1225, 51.6825,
72.4584

■ 54.0162, 58.2802,
73.3686

■ 61.8237, 65.5287,
74.3562

■ 70.5800, 73.4490,
75.4234

■ 80.3186, 82.0612,
76.5725

Harmonies

Analogous

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



20.5380, 27.6113, 59.4310



24.9319, 27.6113, 68.9812



30.3034, 27.6113, 65.6555

Triad

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



24.9319, 27.6113, 68.9812



36.7680, 27.6113, 20.2941



19.0036, 27.6113, 15.6151

Complementary

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



24.9319, 27.6113, 68.9812



35.9941, 28.8064, 7.4060

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.



22.5638, 27.6113, 10.4272



24.9319, 27.6113, 68.9812



32.9189, 27.6113, 12.4296

Square

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



24.9319, 27.6113, 68.9812



37.6242, 27.6113, 34.0495



27.6008, 27.6113, 9.4970



17.4262, 27.6113, 26.4023

Rectangle

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



24.9319, 27.6113, 68.9812



33.6914, 27.6113, 56.9710



27.6008, 27.6113, 9.4970



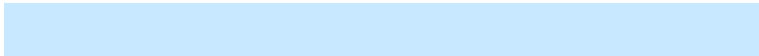
19.9834, 27.6113, 13.3295

Sweetspot

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



24.9329, 27.6122, 68.9819



70.3932, 76.9815, 105.7565



29.5782, 51.3095, 26.1164



14.5131, 15.9388, 22.5615



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.



24.9329, 27.6122, 68.9819



31.3413, 33.0896, 99.3428



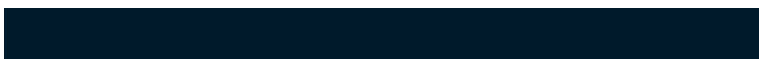
16.3444, 10.4351, 66.1190



12.3428, 13.2090, 15.8366



11.9292, 12.1201, 40.1638



0.8002, 0.8924, 2.4494

Inverse Universe

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



35.2390, 19.6306, 30.7866



48.1229, 24.6794, 36.1205



49.6880, 56.1941, 11.9706



12.7262, 12.5420, 14.4985



19.0802, 9.5684, 12.9921



1.1916, 0.5934, 0.9981

Previews

White Background



This preview shows how the XYZ color 24.9319, 27.6113, 68.9812 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 24.9319, 27.6113, 68.9812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

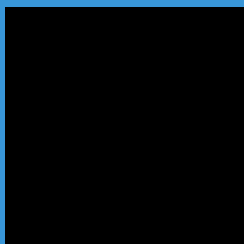
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

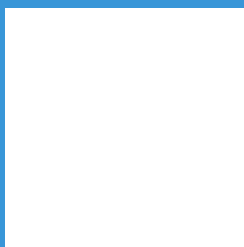
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9319, 27.6113, 68.9812

Background



This preview shows how black text looks on a background with the XYZ color 24.9319, 27.6113, 68.9812.

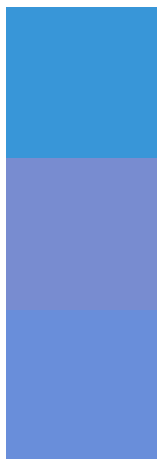


This preview shows how white text looks on a background with the XYZ color 24.9319, 27.6113,

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

24.9319, 27.6113, 68.9812

Protanopia

28.5090, 27.3033, 63.4420

Deuteranopia

28.1536, 27.4112, 70.1367



Tritanopia

19.5775, 27.3940, 42.7838

Trichromacy



Original Color

24.9319, 27.6113, 68.9812

Protanomaly

26.6609, 27.1911, 65.4712

Deuteranomaly

26.5803, 27.2868, 69.5116

Tritanomaly

20.9795, 27.1793, 51.1541

Monochromacy



Original Color

24.9319, 27.6113, 68.9812

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.8582, 23.2893, 37.1142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9319, 27.6113, 68.9812 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(56, 150, 216)` looks like.

```
.text, #text, p{  
    color:rgb(56, 150, 216)  
}
```

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(56, 150, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 150, 216) }
```

Border

The CSS property to change the border of an element to XYZ 24.9319, 27.6113, 68.9812 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(56, 150, 216) }
```


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

```
.border{ border-color:rgb(56, 150, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 150, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 150, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 150, 216);  
box-shadow:4px 4px 4px 4px rgb(56, 150,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9319, 27.6113, 68.9812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 150, 216) }
```

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

```
.background{ background-color: rgb(56, 150,  
216) }
```

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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