

Converting Colors

XYZ(24.1155, 28.1233, 57.6574)

Have a look what the booklet for
XYZ(24.1155, 28.1233, 57.6574)
contains.

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Color

**XYZ(24.1101, 28.1618,
57.5911)**

Conversions

Conversions Part 1

Format	Color
Hex	4699C6
RGB	70, 153, 198
RGB Percent	27%, 60%, 78%
CMY	0.7255, 0.4000, 0.2235
CMYK	0.65, 0.23, 0.00, 0.22
HSL	201°, 53%, 53%
HSV	201°, 65%, 78%
XYZ	24.1101, 28.1618, 57.5911
YIQ	133.3130, -63.9130, -3.6010

Conversions

Conversions Part 2

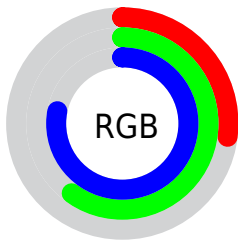
Format	Color
R_{YB}	70, 120, 198
Decimal	4626886
CIE _{Lab}	60.03, -11.22, -30.65
CIE _{LCh}	60, 32.640, 249.888
Yxy	28.1618, 0.2195, 0.2563
Android (android.graphics.Color)	4282816966 (0xFF4699C6)
YUV	133.3130, 31.8907, -55.5255
Hunter-Lab	53.0677, -11.7710, -27.1964

Details

The XYZ color **24.1101, 28.1618, 57.5911** 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 **30.5261, 24.7111, 8.9564**, and the grayscale version is **22.3136, 23.4756, 25.5649**.

A 20% lighter version of the original color is **49.5687, 56.5915, 102.9184**, and **9.7854, 11.5164, 28.0927** is the 20% darker color. If you saturate the color by 10%, you get **21.8040, 25.3311, 57.1668**, and if you desaturate by 10%, it is **26.9554, 31.3702, 58.0610**.

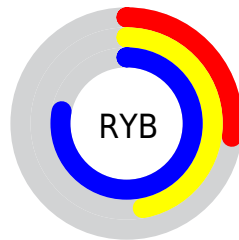
Distribution



Red (27%)

Green (60%)

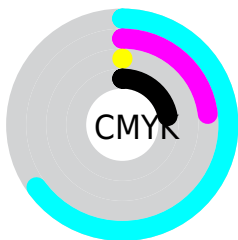
Blue (78%)



Red (27%)

Yellow (47%)

Blue (78%)

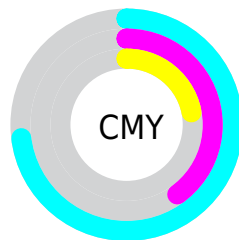


Cyan (65%)

Magenta (23%)

Yellow (0%)

Black (22%)



Cyan (73%)

Magenta (40%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1101, 28.1618, 57.5911 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 24.1101, 28.1618, 57.5911 by changing the saturation by 10% instead.

■ 24.1101, 28.1618,
57.5911

■ 24.1101, 28.1618,
57.5911

265.8068,
293.2392, 433.2162

■ 15.5405, 18.4477,
41.0675

■ 49.6632, 56.7427,
102.8361

■ 9.2884, 11.2719,
28.0517

■ 67.3774, 76.3782,
132.3945

■ 4.9884, 6.2500,
18.1253

■ 88.8704, 100.0896,
167.1349

■ 2.2751, 2.9977,
10.8696

■ 114.5078,
128.2613, 207.4759

■ 0.7819, 1.1305,
5.8661

■ 144.6547,
161.2778, 253.8360

■ 0.0000, 0.0038,
2.6964

179.6766,

■ 0.0000, 0.0000,

199.5233, 306.6337

0.9416

219.9389,
243.3823, 366.2876

■ 0.0000, 0.0000,
0.0000

■ 24.1101, 28.1618,
57.5911

■ 24.1101, 28.1618,
57.5911

■ 21.8040, 25.3311,
57.1668

■ 26.9554, 31.3702,
58.0610

■ 19.9847, 22.8478,
56.7834

■ 30.3797, 34.9769,
58.5767

■ 18.5934, 20.6805,
56.4384

■ 34.4225, 39.0043,
59.1409

■ 17.9632, 19.6174,
56.2664

■ 39.1183, 43.4718,
59.7558

■ 44.4993, 48.3976,
60.4229

■ 50.5953, 53.7983,
61.1441

■ 57.4342, 59.6900,
61.9208

■ 65.0426, 66.0877,
62.7547

■ 73.4454, 73.0057,
63.6471

Harmonies

Analogous

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



21.0875, 28.1618, 47.8216



24.1101, 28.1618, 57.5911



28.1639, 28.1618, 59.2142

Triad

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



24.1101, 28.1618, 57.5911



35.4438, 28.1618, 26.8960



21.9589, 28.1618, 16.2329

Complementary

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



24.1101, 28.1618, 57.5911



30.5261, 24.7111, 8.9564

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.



25.4169, 28.1618, 13.1817



24.1101, 28.1618, 57.5911



33.3842, 28.1618, 18.1957

Square

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



24.1101, 28.1618, 57.5911



35.0009, 28.1618, 39.2326



29.6121, 28.1618, 13.7926



19.9376, 28.1618, 23.4428

Rectangle

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



24.1101, 28.1618, 57.5911



30.9532, 28.1618, 55.1163



29.6121, 28.1618, 13.7926



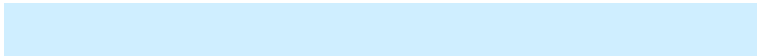
22.9763, 28.1618, 14.7839

Sweetspot

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



24.1111, 28.1628, 57.5918



74.2213, 81.5502, 106.4366



25.8039, 42.9243, 23.0862



15.3028, 16.9187, 22.7090



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.



24.1111, 28.1628, 57.5918



37.0506, 42.7919, 100.9146



16.3091, 12.5588, 54.9911



10.6208, 11.4157, 13.5612



11.7647, 12.9233, 36.6187



0.6232, 0.7443, 1.7560

Inverse Universe

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



31.2295, 18.6871, 32.0989



51.4236, 27.6039, 48.5568



40.4751, 44.6090, 12.2728



10.9186, 10.7508, 12.5548



17.7376, 8.8446, 14.3599



0.8733, 0.4322, 0.8558

Previews

White Background



This preview shows how the XYZ color 24.1101, 28.1618, 57.5911 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 24.1101, 28.1618, 57.5911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

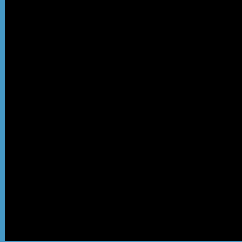
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.1101, 28.1618, 57.5911

Background



This preview shows how black text looks on a background with the XYZ color 24.1101, 28.1618, 57.5911.

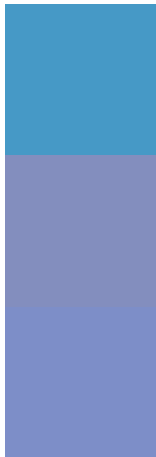


This preview shows how white text looks on a background with the XYZ color 24.1101, 28.1618,

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

24.1101, 28.1618, 57.5911

Protanopia

28.3273, 27.8890, 52.6053

Deuteranopia

28.5558, 27.8761, 58.5192



Tritanopia

21.1531, 28.2062, 42.8575

Trichromacy



Original Color

24.1101, 28.1618, 57.5911

Protanomaly

26.2112, 27.6592, 54.4094

Deuteranomaly

26.4134, 27.6845, 57.9843

Tritanomaly

22.0924, 28.0738, 47.9705

Monochromacy



Original Color

24.1101, 28.1618, 57.5911

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.8943, 24.5055, 35.4744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1101, 28.1618, 57.5911 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(70, 153, 198)` looks like.

```
.text, #text, p{  
    color:rgb(70, 153, 198)  
}
```

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(70, 153, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 153, 198) }
```

Border

The CSS property to change the border of an element to XYZ 24.1101, 28.1618, 57.5911 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(70, 153, 198) }
```


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

```
.border{ border-color:rgb(70, 153, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 153, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 153, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 153, 198);  
box-shadow:4px 4px 4px 4px rgb(70, 153,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1101, 28.1618, 57.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 153, 198) }
```

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

```
.background{ background-color: rgb(70, 153,  
198) }
```

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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