

Converting Colors

XYZ(28.6822, 31.8615, 76.5897)

Have a look what the booklet for
XYZ(28.6822, 31.8615, 76.5897)
contains.

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Color

**XYZ(28.6822, 31.8615,
76.5897)**

Conversions

Conversions Part 1

Format	Color
Hex	44A0E2
RGB	68, 160, 226
RGB Percent	27%, 63%, 89%
CMY	0.7333, 0.3725, 0.1137
CMYK	0.70, 0.29, 0.00, 0.11
HSL	205°, 73%, 58%
HSV	205°, 70%, 89%
XYZ	28.6822, 31.8615, 76.5897
YIQ	140.0160, -76.0180, 1.0220

Conversions

Conversions Part 2

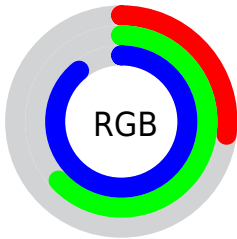
Format	Color
R _{YB}	68, 126, 226
Decimal	4497634
CIE Lab	63.23, -6.13, -41.27
CIE LCh	63, 41.721, 261.554
Yxy	31.8615, 0.2092, 0.2323
Android (android.graphics.Color)	4282687714 (0xFF44A0E2)
YUV	140.0160, 42.3901, -63.1580
Hunter-Lab	56.4460, -8.0783, -40.9364

Details

The XYZ color **28.6822, 31.8615, 76.5897** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **40.9346, 33.6394, 9.8062**, and the grayscale version is **24.7968, 26.0882, 28.4100**.

A 20% lighter version of the original color is **52.0233, 60.8074, 103.6028**, and **12.7243, 13.8396, 40.0309** is the 20% darker color. If you saturate the color by 10%, you get **25.8240, 28.0504, 76.0054**, and if you desaturate by 10%, it is **32.2742, 36.2364, 77.2455**.

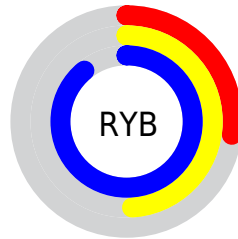
Distribution



Red (27%)

Green (63%)

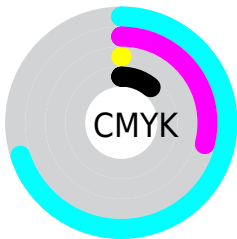
Blue (89%)



Red (27%)

Yellow (49%)

Blue (89%)

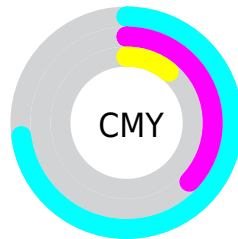


Cyan (70%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (37%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6822, 31.8615, 76.5897 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 28.6822, 31.8615, 76.5897 by changing the saturation by 10% instead.

■ 28.6822, 31.8615,
76.5897

■ 28.6822, 31.8615,
76.5897

287.7339,
310.4879, 502.7644

■ 18.9836, 21.2557,
56.4066

■ 56.9728, 62.5939,
130.3279

■ 11.7624, 13.3111,
40.1229

■ 76.2956, 83.4893,
164.7200

■ 6.6531, 7.6431,
27.3198

■ 99.5571, 108.5834,
204.6856

■ 3.2905, 3.8674,
17.5790

■ 127.1228,
138.2606, 250.6433

■ 1.3092, 1.5997,
10.4819

159.3580,
172.9052, 303.0114

■ 0.1901, 0.3574,
5.6098

196.6279,

■ 0.0000, 0.0000,

212.9017, 362.2086

2.5444

239.2981,
258.6345, 428.6534

■ 0.0000, 0.0000,
0.8635

■ 0.0000, 0.0000,
0.0000

■ 28.6822, 31.8615,
76.5897

■ 28.6822, 31.8615,
76.5897

■ 25.8240, 28.0504,
76.0054

■ 32.2742, 36.2364,
77.2455

■ 23.6192, 24.7560,
75.4857

■ 36.6617, 41.2094,
77.9741

■ 21.9380, 21.9079,
75.0246

■ 41.9030, 46.8149,
78.7798

■ 21.9234, 21.8827,
75.0205

■ 48.0498, 53.0831,
79.6658

■ 55.1493, 60.0422,
80.6348

■ 63.2453, 67.7180,
81.6897

■ 72.3786, 76.1352,
82.8330

■ 82.5878, 85.3168,
84.0671

■ 87.6113, 92.0384,
85.0998

Harmonies

Analogous

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



23.8931, 31.8615, 66.0170



28.6822, 31.8615, 76.5897



34.5466, 31.8615, 73.4495

Triad

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



28.6822, 31.8615, 76.5897



41.8238, 31.8615, 24.2754



22.3959, 31.8615, 18.4430

Complementary

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



28.6822, 31.8615, 76.5897



40.9346, 33.6394, 9.8062

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.



26.3862, 31.8615, 12.7305



28.6822, 31.8615, 76.5897



37.7221, 31.8615, 15.2767

Square

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



28.6822, 31.8615, 76.5897



42.6423, 31.8615, 39.5733



31.9431, 31.8615, 11.7919



20.5779, 31.8615, 30.2291

Rectangle

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



28.6822, 31.8615, 76.5897



38.2584, 31.8615, 64.3302



31.9431, 31.8615, 11.7919



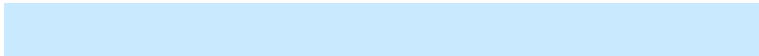
23.5016, 31.8615, 15.9270

Sweetspot

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



28.6834, 31.8626, 76.5905



71.2928, 77.7684, 105.8610



33.8732, 57.3393, 31.7782



14.6861, 16.0882, 22.5812



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.



28.6834, 31.8626, 76.5905



32.5055, 34.7853, 99.6088



19.0679, 12.6316, 73.3853



13.6117, 14.5625, 17.4811



12.6271, 12.7237, 42.8388



0.9631, 1.0577, 2.9986

Inverse Universe

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



39.7774, 22.8426, 35.5711



48.8650, 25.5676, 38.2052



56.1608, 64.0920, 14.8816



14.0402, 13.8337, 15.9820



20.3138, 10.1925, 13.5839



1.4524, 0.7242, 1.1751

Previews

White Background



This preview shows how the XYZ color 28.6822, 31.8615, 76.5897 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.6822, 31.8615, 76.5897 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 ✓ Pass

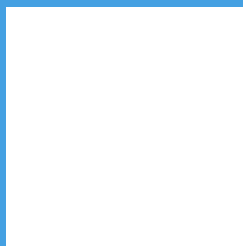
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6822, 31.8615, 76.5897

Background



This preview shows how black text looks on a background with the XYZ color 28.6822, 31.8615, 76.5897.

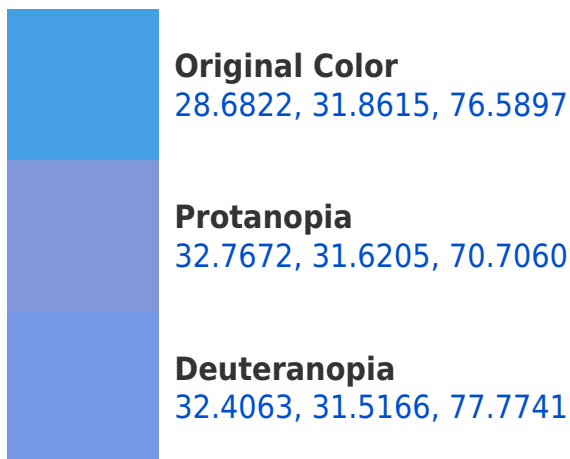


This preview shows how white text looks on a background with the XYZ color 28.6822, 31.8615,

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





Tritanopia

23.1393, 31.7400, 49.1628

Trichromacy



Original Color

28.6822, 31.8615, 76.5897

Protanomaly

30.6702, 31.4575, 72.8620

Deuteranomaly

30.5663, 31.3099, 77.1054

Tritanomaly

24.8205, 31.5918, 58.2157

Monochromacy



Original Color

28.6822, 31.8615, 76.5897

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.7238, 27.3851, 42.5108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6822, 31.8615, 76.5897 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(68, 160, 226)` looks like.

```
.text, #text, p{  
    color:rgb(68, 160, 226)  
}
```

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(68, 160, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 160, 226) }
```

Border

The CSS property to change the border of an element to XYZ 28.6822, 31.8615, 76.5897 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(68, 160, 226) }
```


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

```
.border{ border-color:rgb(68, 160, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 160, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 160, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 160, 226);  
box-shadow:4px 4px 4px 4px rgb(68, 160,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6822, 31.8615, 76.5897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 160, 226) }
```

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

```
.background{ background-color: rgb(68, 160,  
226) }
```

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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