

Converting Colors

XYZ(28.2236, 29.9437, 83.2382)

Have a look what the booklet for
XYZ(28.2236, 29.9437, 83.2382)
contains.

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Color

**XYZ(28.1819, 29.9501,
82.8929)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 389AEB |
| RGB | 56, 154, 235 |
| RGB Percent | 22%, 60%, 92% |
| CMY | 0.7803, 0.3961, 0.0784 |
| CMYK | 0.76, 0.34, 0.00, 0.08 |
| HSL | 207°, 82%, 57% |
| HSV | 207°, 76%, 92% |
| XYZ | 28.1819, 29.9501, 82.8929 |
| YIQ | 133.9320, -84.4090, 4.4150 |

Conversions

Conversions Part 2

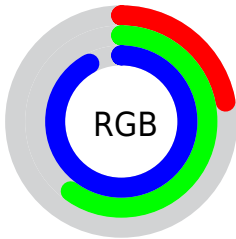
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 56, 119, 235 |
| Decimal | 3709675 |
| CIE Lab | 61.61, -1.12, -48.81 |
| CIE LCh | 62, 48.821, 268.686 |
| Yxy | 29.9501, 0.1998, 0.2124 |
| Android (android.graphics.Color) | 4281899755 (0xFF389AEB) |
| YUV | 133.9320, 49.8265, -68.3464 |
| Hunter-Lab | 54.7267, -3.8518, -51.4961 |

Details

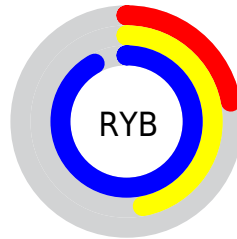
The XYZ color **28.1819, 29.9501, 82.8929** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **43.9230, 35.8432, 8.3467**, and the grayscale version is **22.4820, 23.6528, 25.7579**.

A 20% lighter version of the original color is **49.2101, 56.7674, 102.9713**, and **12.9869, 12.9552, 44.4639** is the 20% darker color. If you saturate the color by 10%, you get **25.4849, 26.0688, 82.2865**, and if you desaturate by 10%, it is **31.6526, 34.4619, 83.5815**.

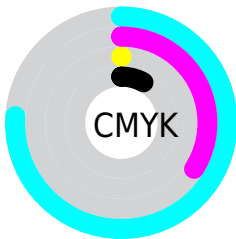
Distribution



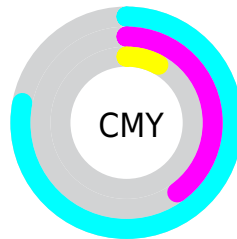
- Red (22%)
- Green (60%)
- Blue (92%)



- Red (22%)
- Yellow (47%)
- Blue (92%)



- Cyan (76%)
- Magenta (34%)
- Yellow (0%)
- Black (8%)



- Cyan (78%)
- Magenta (40%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1819, 29.9501, 82.8929 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 28.1819, 29.9501, 82.8929 by changing the saturation by 10% instead.

■ 28.1819, 29.9501,
82.8929

■ 28.1819, 29.9501,
82.8929

285.3994,
301.6718, 524.5912

■ 18.6040, 19.8007,
61.5617

■ 56.1813, 59.5833,
139.2733

■ 11.4868, 12.2503,
44.2451

■ 75.3336, 79.8358,
175.1597

■ 6.4649, 6.9144,
30.5247

■ 98.4079, 104.2249,
216.7348

■ 3.1731, 3.4086,
19.9817

■ 125.7698,
133.1349, 264.4172

■ 1.2460, 1.3486,
12.1978

■ 157.7845,
166.9502, 318.6256

■ 0.1422, 0.1784,
6.7544

194.8175,

■ 0.0000, 0.0000,

206.0551, 379.7783

3.2329

237.2340,
250.8342, 448.2940

■ 0.0000, 0.0000,
1.2147

■ 0.0000, 0.0000,
0.0000

■ 28.1819, 29.9501,
82.8929

■ 28.1819, 29.9501,
82.8929

■ 25.4849, 26.0688,
82.2865

■ 31.6526, 34.4619,
83.5815

■ 23.4592, 22.7581,
81.7543

■ 35.9735, 39.6482,
84.3548

■ 22.8001, 21.6073,
81.5669

■ 41.2149, 45.5513,
85.2180

■ 47.4381, 52.2079,
86.1748

■ 54.6986, 59.6521,
87.2290

■ 63.0477, 67.9151,
88.3839

■ 72.5329, 77.0265,
89.6427

■ 83.1990, 87.0140,
91.0083

■ 90.3327, 95.4525,
92.2611

Harmonies

Analogous

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



22.4682, 29.9501, 73.5974



28.1819, 29.9501, 82.8929



34.8780, 29.9501, 75.0143

Triad

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



28.1819, 29.9501, 82.8929



40.8596, 29.9501, 18.3026



19.0914, 29.9501, 17.3551

Complementary

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



28.1819, 29.9501, 82.8929



43.9230, 35.8432, 8.3467

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.



22.8935, 29.9501, 10.2509



28.1819, 29.9501, 82.8929



35.4478, 29.9501, 10.6339

Square

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



28.1819, 29.9501, 82.8929



42.8328, 29.9501, 33.4357



28.7534, 29.9501, 8.3597



17.7363, 29.9501, 31.7991

Rectangle

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



28.1819, 29.9501, 82.8929



38.8914, 29.9501, 62.3062



28.7534, 29.9501, 8.3597



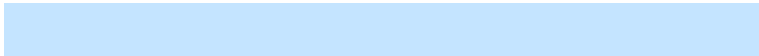
20.0942, 29.9501, 14.2665

Sweetspot

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



28.1831, 29.9511, 82.8937



68.7757, 74.7420, 105.4095



35.8240, 62.0518, 33.5902



13.9792, 15.2545, 22.4576



0.0000, 0.0000, 0.0000



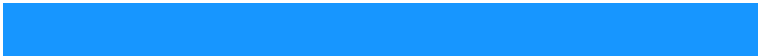
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.1831, 29.9511, 82.8937



29.3065, 29.2101, 98.7012



18.5154, 10.6158, 79.6711



14.9147, 15.9158, 19.2082



12.8185, 12.2841, 45.4384



1.1025, 1.1564, 3.6000

Inverse Universe

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



41.5090, 22.8252, 32.7904



47.0494, 24.0724, 31.0153



62.1858, 72.3688, 14.4342



15.4105, 15.1920, 17.4469



21.3255, 10.7329, 12.7813



1.7230, 0.8622, 1.2586

Previews

White Background



This preview shows how the XYZ color 28.1819, 29.9501, 82.8929 looks on a white background.

Color Contrast Check

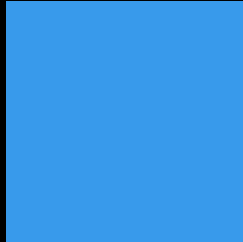
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1819, 29.9501, 82.8929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

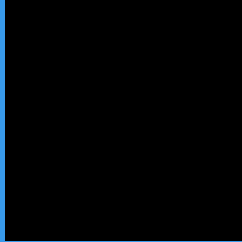
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

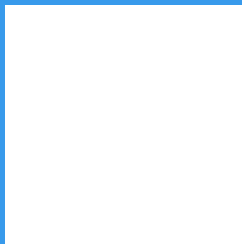
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1819, 29.9501, 82.8929

Background



This preview shows how black text looks on a background with the XYZ color 28.1819, 29.9501, 82.8929.

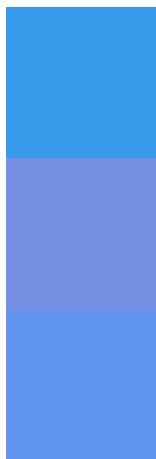


This preview shows how white text looks on a background with the XYZ color 28.1819, 29.9501,

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

28.1819, 29.9501, 82.8929

Protanopia

31.4617, 29.6484, 76.7375

Deuteranopia

30.6600, 29.7773, 83.4885



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

28.1819, 29.9501, 82.8929

Protanomaly

29.5921, 29.3259, 78.9637

Deuteranomaly

29.5263, 29.6627, 83.5261

Tritanomaly

23.0523, 29.3676, 57.8796

Monochromacy



Original Color

28.1819, 29.9501, 82.8929

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8194, 25.0542, 42.1613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1819, 29.9501, 82.8929 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, 154, 235)` looks like.

```
.text, #text, p{  
    color:rgb(56, 154, 235)  
}
```

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, 154, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 154, 235) }
```

Border

The CSS property to change the border of an element to XYZ 28.1819, 29.9501, 82.8929 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, 154, 235) }
```


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

```
.border{ border-color:rgb(56, 154, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 154, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 154, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 154, 235);  
box-shadow:4px 4px 4px 4px rgb(56, 154,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1819, 29.9501, 82.8929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 154, 235) }
```

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

```
.background{ background-color: rgb(56, 154,  
235) }
```

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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