

Converting Colors

XYZ(28.0220, 33.1077, 77.5865)

Have a look what the booklet for
XYZ(28.0220, 33.1077, 77.5865)
contains.

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Color

**XYZ(28.0080, 33.0797,
77.5819)**

Conversions

Conversions Part 1

Format	Color
Hex	1DA6E3
RGB	29, 166, 227
RGB Percent	11%, 65%, 89%
CMY	0.8862, 0.3490, 0.1098
CMYK	0.87, 0.27, 0.00, 0.11
HSL	198°, 78%, 50%
HSV	198°, 87%, 89%
XYZ	28.0080, 33.0797, 77.5819
YIQ	131.9910, -101.2330, -10.0730

Conversions

Conversions Part 2

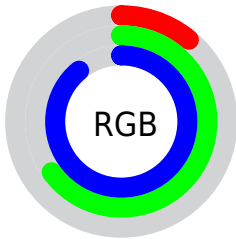
Format	Color
R_{YB}	29, 110, 227
Decimal	1943267
CIE _{Lab}	64.23, -13.07, -40.31
CIE _{LCh}	64, 42.381, 252.031
Yxy	33.0797, 0.2020, 0.2386
Android (android.graphics.Color)	4280133347 (0xFF1DA6E3)
YUV	131.9910, 46.8394, -90.3231
Hunter-Lab	57.5150, -13.7272, -39.7158

Details

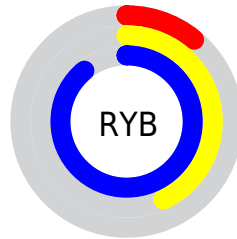
The XYZ color **28.0080, 33.0797, 77.5819** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.5590, 23.7360, 3.8713**, and the grayscale version is **21.7945, 22.9295, 24.9703**.

A 20% lighter version of the original color is **50.5885, 62.3776, 103.9815**, and **13.3680, 14.9749, 40.7140** is the 20% darker color. If you saturate the color by 10%, you get **26.3439, 30.3859, 77.1503**, and if you desaturate by 10%, it is **30.2101, 36.1545, 78.0600**.

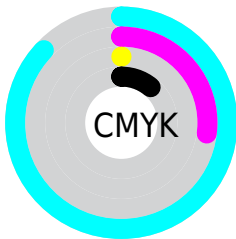
Distribution



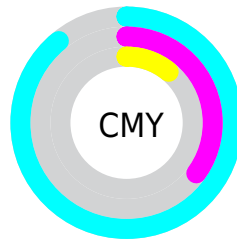
- Red (11%)
- Green (65%)
- Blue (89%)



- Red (11%)
- Yellow (43%)
- Blue (89%)



- Cyan (87%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (89%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0080, 33.0797, 77.5819 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 28.0080, 33.0797, 77.5819 by changing the saturation by 10% instead.

■ 28.0080, 33.0797,
77.5819

■ 28.0080, 33.0797,
77.5819

284.5845,
316.0087, 506.2360

■ 18.4722, 22.1875,
57.2162

■ 55.9058, 64.4999,
131.7411

■ 11.3912, 13.9947,
40.7683

■ 74.9984, 85.7968,
166.3716

■ 6.3999, 8.1170,
27.8198

■ 98.0074, 111.3306,
206.5941

■ 3.1327, 4.1699,
17.9520

■ 125.2980,
141.4859, 252.8272

■ 1.2243, 1.7691,
10.7464

■ 157.2357,
176.6469, 305.4894

■ 0.1254, 0.4678,
5.7846

194.1858,

■ 0.0000, 0.0000,

217.1981, 364.9993

2.6479

236.5136,
263.5239, 431.7753

■ 0.0000, 0.0000,
0.9170

■ 0.0000, 0.0000,
0.0000

■ 28.0080, 33.0797,
77.5819

■ 28.0080, 33.0797,
77.5819

■ 26.3439, 30.3859,
77.1503

■ 30.2101, 36.1545,
78.0600

■ 25.9323, 29.6802,
77.0358

■ 33.0413, 39.6574,
78.5869

■ 36.5753, 43.6283,
79.1671

■ 40.8736, 48.1006,
79.8038

■ 45.9910, 53.1039,
80.4998

■ 51.9768, 58.6651,
81.2578

■ 58.8762, 64.8089,
82.0800

■ 66.7311, 71.5583,
82.9688

■ 75.5809, 78.9350,
83.9262

Harmonies

Analogous

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



23.6124, 33.0797, 63.0434



28.0080, 33.0797, 77.5819



33.9130, 33.0797, 79.0719

Triad

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



28.0080, 33.0797, 77.5819



44.1571, 33.0797, 29.5485



24.3190, 33.0797, 16.5984

Complementary

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



28.0080, 33.0797, 77.5819



35.5590, 23.7360, 3.8713

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.



29.0927, 33.0797, 12.3717



28.0080, 33.0797, 77.5819



40.8335, 33.0797, 18.0878

Square

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



28.0080, 33.0797, 77.5819



43.7696, 33.0797, 47.2280



35.1442, 33.0797, 12.8122



21.6769, 33.0797, 26.7393

Rectangle

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



28.0080, 33.0797, 77.5819



37.9798, 33.0797, 72.0079



35.1442, 33.0797, 12.8122



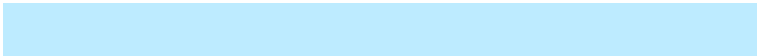
25.6998, 33.0797, 14.6099

Sweetspot

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



28.0092, 33.0808, 77.5827



68.5479, 77.1725, 105.8907



29.7555, 55.9118, 18.5471



14.0531, 15.9539, 22.5887



0.0000, 0.0000, 0.0000



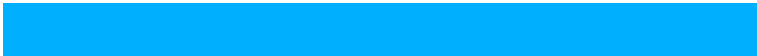
20.3446, 21.4041, 23.3091

Same Dimension

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



28.0092, 33.0808, 77.5827



33.6601, 38.4402, 100.2534



16.4774, 10.0172, 73.7388



14.4131, 15.5476, 18.3857



15.2316, 17.5253, 44.9631



1.2070, 1.4580, 3.3498

Inverse Universe

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



39.0019, 19.9642, 37.8752



49.1193, 24.4117, 43.4216



49.7574, 52.1328, 8.6041



14.7961, 14.5356, 17.1267



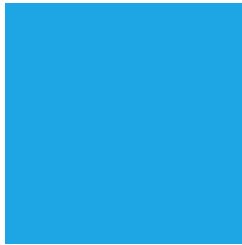
22.0817, 10.9669, 19.8571



1.6729, 0.8269, 1.6839

Previews

White Background



This preview shows how the XYZ color 28.0080, 33.0797, 77.5819 looks on a white background.

Color Contrast Check

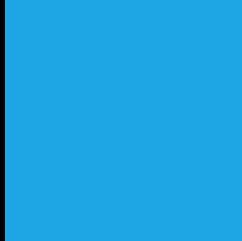
Large Text (above 18pt) WCAG AA × Fail

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 28.0080, 33.0797, 77.5819 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

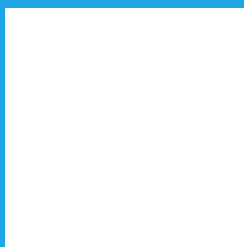
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0080, 33.0797, 77.5819

Background



This preview shows how black text looks on a background with the XYZ color 28.0080, 33.0797, 77.5819.

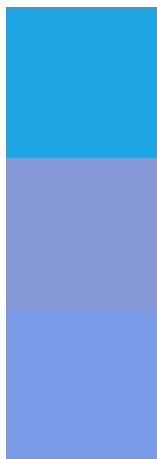


This preview shows how white text looks on a background with the XYZ color 28.0080, 33.0797,

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

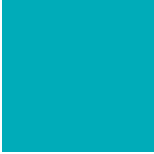
28.0080, 33.0797, 77.5819

Protanopia

33.6146, 32.5652, 69.4798

Deuteranopia

33.7237, 32.8893, 79.4338



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

28.0080, 33.0797, 77.5819

Protanomaly

29.7991, 31.7680, 72.2714

Deuteranomaly

30.3942, 32.1856, 78.7392

Tritanomaly

24.9381, 32.9907, 59.6971

Monochromacy



Original Color

28.0080, 33.0797, 77.5819

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.6676, 25.1694, 40.2754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0080, 33.0797, 77.5819 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(29, 166, 227)` looks like.

```
.text, #text, p{  
    color:rgb(29, 166, 227)  
}
```

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(29, 166, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 166, 227) }
```

Border

The CSS property to change the border of an element to XYZ 28.0080, 33.0797, 77.5819 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(29, 166, 227) }
```


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

```
.border{ border-color:rgb(29, 166, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 166, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 166, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 166, 227);  
box-shadow:4px 4px 4px 4px rgb(29, 166,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0080, 33.0797, 77.5819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 166, 227) }
```

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

```
.background{ background-color: rgb(29, 166,  
227) }
```

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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