

Converting Colors

XYZ(28.6797, 33.1036, 78.9077)

Have a look what the booklet for
XYZ(28.6797, 33.1036, 78.9077)
contains.

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Color

**XYZ(28.7247, 33.1483,
79.0130)**

Conversions

Conversions Part 1

Format	Color
Hex	2EA5E5
RGB	46, 165, 229
RGB Percent	18%, 65%, 90%
CMY	0.8195, 0.3529, 0.1020
CMYK	0.80, 0.28, 0.00, 0.10
HSL	201°, 78%, 54%
HSV	201°, 80%, 90%
XYZ	28.7247, 33.1483, 79.0130
YIQ	136.7150, -91.4680, -5.3240

Conversions

Conversions Part 2

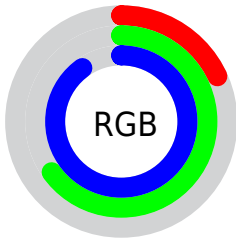
Format	Color
R _Y B	46, 118, 229
Decimal	3057125
CIE Lab	64.28, -10.50, -41.31
CIE LCh	64, 42.624, 255.740
Yxy	33.1483, 0.2039, 0.2353
Android (android.graphics.Color)	4281247205 (0xFF2EA5E5)
YUV	136.7150, 45.4965, -79.5571
Hunter-Lab	57.5746, -11.6995, -41.0650

Details

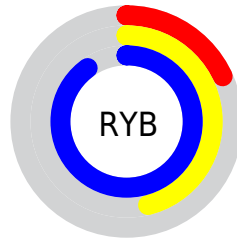
The XYZ color **28.7247, 33.1483, 79.0130** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **38.3843, 28.0105, 5.9699**, and the grayscale version is **23.5312, 24.7566, 26.9600**.

A 20% lighter version of the original color is **51.3889, 62.3995, 103.9436**, and **13.4480, 14.8274, 41.6884** is the 20% darker color. If you saturate the color by 10%, you get **26.5547, 29.9522, 78.5112**, and if you desaturate by 10%, it is **31.5370, 36.8108, 79.5724**.

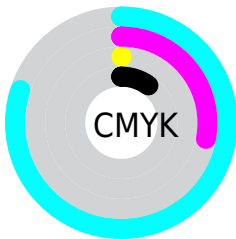
Distribution



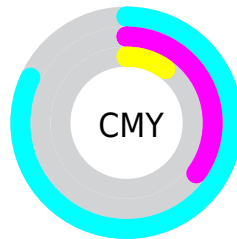
- Red (18%)
- Green (65%)
- Blue (90%)



- Red (18%)
- Yellow (46%)
- Blue (90%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)
- Black (10%)



- Cyan (82%)
- Magenta (35%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7247, 33.1483, 79.0130 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 28.7247, 33.1483, 79.0130 by changing the saturation by 10% instead.

■ 28.7247, 33.1483,
79.0130

■ 28.7247, 33.1483,
79.0130

287.9315,
316.3174, 511.2191

■ 19.0159, 22.2401,
58.3851

■ 57.0400, 64.6070,
133.7760

■ 11.7858, 14.0334,
41.7016

■ 76.3772, 85.9263,
168.7482

■ 6.6692, 8.1439,
28.5439

■ 99.6546, 111.4846,
209.3389

■ 3.3006, 4.1872,
18.4934

■ 127.2375,
141.6666, 255.9667

■ 1.3146, 1.7788,
11.1317

■ 159.4913,
176.8564, 309.0500

■ 0.1941, 0.4739,
6.0402

196.7813,

■ 0.0000, 0.0000,

217.4386, 369.0075

2.8004

239.4729,
263.7975, 436.2577

■ 0.0000, 0.0000,
0.9936

■ 0.0000, 0.0000,
0.0000

■ 28.7247, 33.1483,
79.0130

■ 28.7247, 33.1483,
79.0130

■ 26.5547, 29.9522,
78.5112

■ 31.5370, 36.8108,
79.5724

■ 24.8905, 27.1483,
78.0576

■ 35.0663, 40.9792,
80.1910

■ 24.8759, 27.1230,
78.0535

■ 39.3800, 45.6909,
80.8731

■ 44.5360, 50.9781,
81.6218

■ 50.5865, 56.8699,
82.4402

■ 57.5794, 63.3931,
83.3307

■ 65.5587, 70.5726,
84.2959

■ 74.5656, 78.4317,
85.3382

■ 84.6391, 86.9923,
86.4596

Harmonies

Analogous

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



24.0594, 33.1483, 65.6261



28.7247, 33.1483, 79.0130



34.7714, 33.1483, 78.6380

Triad

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



28.7247, 33.1483, 79.0130



44.0935, 33.1483, 27.7825



23.8823, 33.1483, 17.4649

Complementary

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



28.7247, 33.1483, 79.0130



38.3843, 28.0105, 5.9699

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.



28.4526, 33.1483, 12.5722



28.7247, 33.1483, 79.0130



40.3506, 33.1483, 17.0924

Square

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



28.7247, 33.1483, 79.0130



44.1909, 33.1483, 44.9451



34.4623, 33.1483, 12.4622



21.5161, 33.1483, 28.4867

Rectangle

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



28.7247, 33.1483, 79.0130



38.8079, 33.1483, 70.4853



34.4623, 33.1483, 12.4622



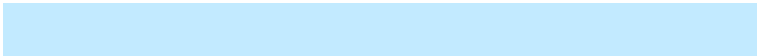
25.1836, 33.1483, 15.2298

Sweetspot

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



28.7259, 33.1494, 79.0138



69.5546, 77.2784, 105.8580



31.8014, 57.6821, 23.3706



14.2127, 15.9086, 22.5715



0.0000, 0.0000, 0.0000



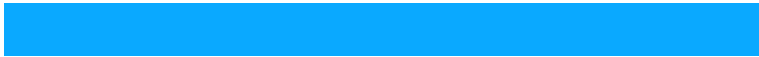
20.3446, 21.4041, 23.3091

Same Dimension

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



28.7259, 33.1494, 79.0138



32.4367, 35.8039, 99.8090



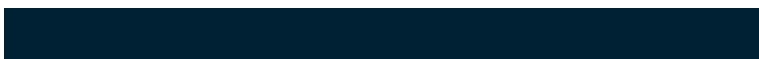
17.8904, 11.4783, 75.4020



14.3610, 15.4434, 18.3683



14.3396, 15.7414, 44.6658



1.1459, 1.3358, 3.3294

Inverse Universe

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



40.0827, 21.3301, 37.6028



48.5480, 24.3603, 39.8674



53.1162, 57.4742, 10.8805



14.7698, 14.5251, 16.9882



21.6315, 10.7868, 17.4863



1.6420, 0.8145, 1.5215

Previews

White Background



This preview shows how the XYZ color 28.7247, 33.1483, 79.0130 looks on a white background.

Color Contrast Check

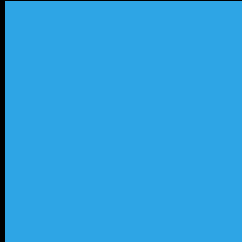
Large Text (above 18pt) WCAG AA × Fail

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 28.7247, 33.1483, 79.0130 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

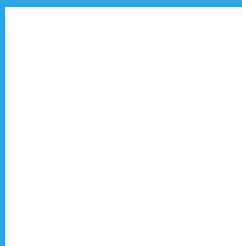
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7247, 33.1483, 79.0130

Background



This preview shows how black text looks on a background with the XYZ color 28.7247, 33.1483, 79.0130.

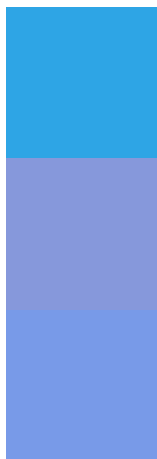


This preview shows how white text looks on a background with the XYZ color 28.7247, 33.1483,

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

28.7247, 33.1483, 79.0130

Protanopia

33.8459, 32.6393, 71.5340

Deuteranopia

33.8668, 32.9305, 80.9152



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

28.7247, 33.1483, 79.0130

Protanomaly

30.8557, 32.2664, 74.4138

Deuteranomaly

31.1649, 32.5504, 80.2416

Tritanomaly

24.9617, 32.7122, 60.2568

Monochromacy



Original Color

28.7247, 33.1483, 79.0130

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.3983, 26.7128, 41.9531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7247, 33.1483, 79.0130 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(46, 165, 229)` looks like.

```
.text, #text, p{  
    color:rgb(46, 165, 229)  
}
```

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(46, 165, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 165, 229) }
```

Border

The CSS property to change the border of an element to XYZ 28.7247, 33.1483, 79.0130 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(46, 165, 229) }
```


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

```
.border{ border-color:rgb(46, 165, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 165, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 165, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 165, 229);  
box-shadow:4px 4px 4px 4px rgb(46, 165,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7247, 33.1483, 79.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 165, 229) }
```

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

```
.background{ background-color: rgb(46, 165,  
229) }
```

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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