

Converting Colors

XYZ(28.7456, 30.0830, 78.7869)

Have a look what the booklet for
XYZ(28.7456, 30.0830, 78.7869)
contains.

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Color

**XYZ(28.8160, 30.1153,
79.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	4E99E6
RGB	78, 153, 230
RGB Percent	31%, 60%, 90%
CMY	0.6941, 0.4000, 0.0980
CMYK	0.66, 0.33, 0.00, 0.10
HSL	210°, 75%, 60%
HSV	210°, 66%, 90%
XYZ	28.8160, 30.1153, 79.1570
YIQ	139.3530, -69.4170, 8.0470

Conversions

Conversions Part 2

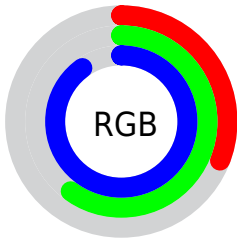
Format	Color
RYB	78, 128, 230
Decimal	5151206
CIELab	61.75, 0.75, -45.78
CIElCh	62, 45.783, 270.937
Yxy	30.1153, 0.2087, 0.2181
Android (android.graphics.Color)	4283341286 (0xFF4E99E6)
YUV	139.3530, 44.6890, -53.8066
Hunter-Lab	54.8774, -2.3055, -47.1077

Details

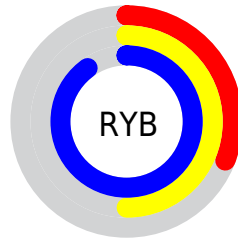
The XYZ color **28.8160, 30.1153, 79.1570** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **45.7315, 40.8185, 12.6778**, and the grayscale version is **24.5301, 25.8076, 28.1045**.

A 20% lighter version of the original color is **51.3473, 57.5084, 103.0017**, and **12.3914, 12.5587, 41.8154** is the 20% darker color. If you saturate the color by 10%, you get **25.4356, 25.6788, 78.4795**, and if you desaturate by 10%, it is **33.0436, 35.2659, 79.9290**.

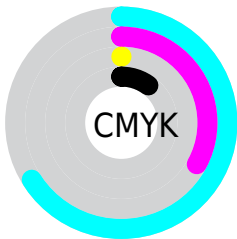
Distribution



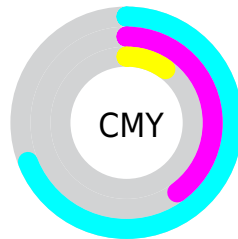
- Red (31%)
- Green (60%)
- Blue (90%)



- Red (31%)
- Yellow (50%)
- Blue (90%)



- Cyan (66%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)



- Cyan (69%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8160, 30.1153, 79.1570 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 28.8160, 30.1153, 79.1570 by changing the saturation by 10% instead.

■ 28.8160, 30.1153,
79.1570

■ 28.8160, 30.1153,
79.1570

288.3557,
302.4415, 511.7190

■ 19.0853, 19.9261,
58.5028

■ 57.1842, 59.8445,
133.9805

■ 11.8363, 12.3414,
41.7956

■ 76.5524, 80.1533,
168.9870

■ 6.7037, 6.9766,
28.6169

■ 99.8637, 104.6040,
209.6146

■ 3.3222, 3.4475,
18.5482

■ 127.4836,
133.5812, 256.2819

■ 1.3263, 1.3696,
11.1707

159.7774,
167.4691, 309.4074

■ 0.2028, 0.1941,
6.0662

197.1104,

■ 0.0000, 0.0000,

206.6522, 369.4098

2.8159

239.8481,
251.5149, 436.7074

■ 0.0000, 0.0000,
1.0014

■ 0.0000, 0.0000,
0.0000

■ 28.8160, 30.1153,
79.1570

■ 28.8160, 30.1153,
79.1570

■ 25.4356, 25.6788,
78.4795

■ 33.0436, 35.2659,
79.9290

■ 22.8215, 21.9055,
77.8889

■ 38.1817, 41.1695,
80.7977

■ 20.8797, 18.7391,
77.3801

■ 44.2913, 47.8652,
81.7681

■ 20.2422, 17.6315,
77.1999

■ 51.4263, 55.3879,
82.8440

■ 59.6367, 63.7701,
84.0292

■ 68.9689, 73.0422,
85.3271

■ 79.4665, 83.2330,
86.7408

■ 88.5446, 93.0164,
88.1507

■ 91.2831, 98.4932,
89.0635

Harmonies

Analogous

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



23.2952, 30.1153, 71.7939



28.8160, 30.1153, 79.1570



35.0878, 30.1153, 70.8712

Triad

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



28.8160, 30.1153, 79.1570



39.9103, 30.1153, 18.3740



19.5458, 30.1153, 19.0286

Complementary

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



28.8160, 30.1153, 79.1570



45.7315, 40.8185, 12.6778

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.



23.0067, 30.1153, 11.5915



28.8160, 30.1153, 79.1570



34.7085, 30.1153, 11.3189

Square

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



28.8160, 30.1153, 79.1570



42.0276, 30.1153, 32.2440



28.4322, 30.1153, 9.3643



18.4238, 30.1153, 33.3431

Rectangle

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



28.8160, 30.1153, 79.1570



38.7322, 30.1153, 58.8443



28.4322, 30.1153, 9.3643



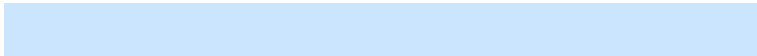
20.4474, 30.1153, 15.8490

Sweetspot

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



28.8171, 30.1163, 79.1578



71.0164, 76.1865, 105.5702



37.2728, 60.5474, 40.2962



14.5765, 15.6692, 22.5061



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.



28.8171, 30.1163, 79.1578



30.9296, 30.7566, 98.9142



20.1506, 12.7833, 76.2689



14.1672, 15.0557, 18.3037



11.5818, 10.2258, 43.7465



0.9487, 0.9413, 3.2637

Inverse Universe

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



41.1083, 24.5731, 32.7142



48.2836, 26.1548, 32.6170



62.3059, 73.9674, 18.2026



14.6720, 14.4860, 16.4729



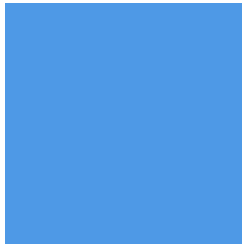
20.2395, 10.2300, 10.1561



1.5425, 0.7747, 0.9972

Previews

White Background



This preview shows how the XYZ color 28.8160, 30.1153, 79.1570 looks on a white background.

Color Contrast Check

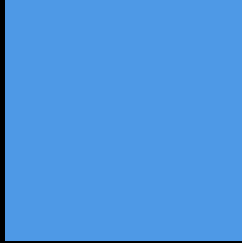
Large Text (above 18pt) WCAG AA × Fail

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 28.8160, 30.1153, 79.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

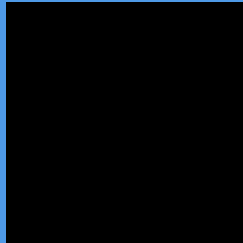
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

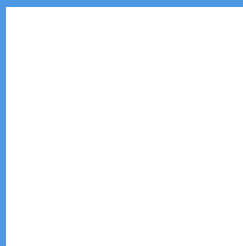
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8160, 30.1153, 79.1570

Background



This preview shows how black text looks on a background with the XYZ color 28.8160, 30.1153, 79.1570.



This preview shows how white text looks on a background with the XYZ color 28.8160, 30.1153,

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

28.8160, 30.1153, 79.1570

Protanopia

31.6186, 30.0045, 74.6460

Deuteranopia

30.8394, 29.9526, 79.7573



Tritanopia

22.3380, 30.3061, 46.2673

Trichromacy



Original Color

28.8160, 30.1153, 79.1570

Protanomaly

30.3006, 29.9891, 76.1430

Deuteranomaly

30.0495, 30.0151, 79.8110

Tritanomaly

24.2795, 30.0267, 56.7406

Monochromacy



Original Color

28.8160, 30.1153, 79.1570

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.7558, 26.7070, 42.8799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8160, 30.1153, 79.1570 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(78, 153, 230)` looks like.

```
.text, #text, p{  
    color:rgb(78, 153, 230)  
}
```

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(78, 153, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 153, 230) }
```

Border

The CSS property to change the border of an element to XYZ 28.8160, 30.1153, 79.1570 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(78, 153, 230) }
```


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

```
.border{ border-color:rgb(78, 153, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 153, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 153, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 153, 230);  
box-shadow:4px 4px 4px 4px rgb(78, 153,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8160, 30.1153, 79.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 153, 230) }
```

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

```
.background{ background-color: rgb(78, 153,  
230) }
```

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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