

Converting Colors

XYZ(30.9185, 34.0190, 80.9411)

Have a look what the booklet for
XYZ(30.9185, 34.0190, 80.9411)
contains.

XYZ(30.9828, 33.9968, 81.2730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.9828, 33.9968,
81.2730)**

Conversions

Conversions Part 1

Format	Color
Hex	4EA4E8
RGB	78, 164, 232
RGB Percent	31%, 64%, 91%
CMY	0.6941, 0.3569, 0.0902
CMYK	0.66, 0.29, 0.00, 0.09
HSL	206°, 77%, 61%
HSV	206°, 66%, 91%
XYZ	30.9828, 33.9968, 81.2730
YIQ	146.0380, -73.0840, 2.9160

Conversions

Conversions Part 2

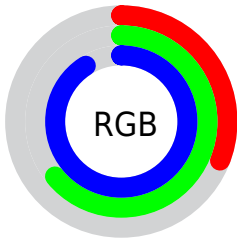
Format	Color
R _Y B	78, 133, 232
Decimal	5154024
CIE Lab	64.96, -4.86, -41.84
CIE LCh	65, 42.117, 263.380
Yxy	33.9968, 0.2118, 0.2325
Android (android.graphics.Color)	4283344104 (0xFF4EA4E8)
YUV	146.0380, 42.3793, -59.6693
Hunter-Lab	58.3068, -7.1863, -41.8288

Details

The XYZ color **30.9828, 33.9968, 81.2730** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **44.9345, 38.2662, 12.2272**, and the grayscale version is **27.1919, 28.6080, 31.1541**.

A 20% lighter version of the original color is **54.3660, 63.5458, 104.0079**, and **13.7416, 14.9448, 43.2347** is the 20% darker color. If you saturate the color by 10%, you get **27.6463, 29.6643, 80.6133**, and if you desaturate by 10%, it is **35.1396, 38.9725, 82.0150**.

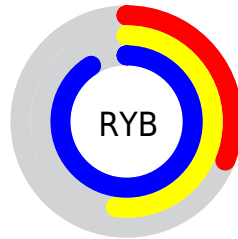
Distribution



Red (31%)

Green (64%)

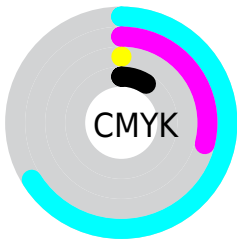
Blue (91%)



Red (31%)

Yellow (52%)

Blue (91%)

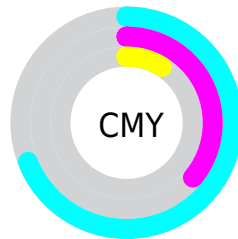


Cyan (66%)

Magenta (29%)

Yellow (0%)

Black (9%)



Cyan (69%)

Magenta (36%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9828, 33.9968, 81.2730 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 30.9828, 33.9968, 81.2730 by changing the saturation by 10% instead.

■ 30.9828, 33.9968,
81.2730

■ 30.9828, 33.9968,
81.2730

298.2874,
320.1178, 519.0321

■ 20.7375, 22.8911,
60.2342

■ 60.5890, 65.9287,
136.9815

■ 13.0436, 14.5131,
43.1809

■ 80.6807, 87.5237,
172.4883

■ 7.5358, 8.4784,
29.6946

■ 104.7851,
113.3840, 213.6548

■ 3.8487, 4.4026,
19.3568

■ 133.2678,
143.8939, 260.8996

■ 1.6169, 1.9012,
11.7490

166.4940,
179.4378, 314.6412

■ 0.4034, 0.5491,
6.4525

204.8291,

■ 0.0000, 0.0000,

220.4002, 375.2981

3.0489

248.6384,
267.1654, 443.2889

■ 0.0000, 0.0000,
1.1197

■ 0.0000, 0.0000,
0.0000

■ 30.9828, 33.9968,
81.2730

■ 30.9828, 33.9968,
81.2730

■ 27.6463, 29.6643,
80.6133

■ 35.1396, 38.9725,
82.0150

■ 25.0488, 25.9264,
80.0287

■ 40.1797, 44.6272,
82.8408

■ 23.0952, 22.7292,
79.5145

■ 46.1637, 50.9976,
83.7551

■ 22.4893, 21.6735,
79.3427

■ 53.1452, 58.1159,
84.7611

■ 61.1738, 66.0122,
85.8620

■ 70.2954, 74.7146,
87.0610

■ 80.5531, 84.2495,
88.3608

■ 88.7487, 92.9725,
89.6125

■ 91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



25.8243, 33.9968, 70.9484



30.9828, 33.9968, 81.2730



37.1816, 33.9968, 77.0773

Triad

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



30.9828, 33.9968, 81.2730



44.2857, 33.9968, 25.2487



23.8029, 33.9968, 20.4110

Complementary

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



30.9828, 33.9968, 81.2730



44.9345, 38.2662, 12.2272

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.



27.8890, 33.9968, 13.9924



30.9828, 33.9968, 81.2730



39.8064, 33.9968, 16.1106

Square

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



30.9828, 33.9968, 81.2730



45.3837, 33.9968, 41.0156



33.6806, 33.9968, 12.7120



22.0288, 33.9968, 33.2866

Rectangle

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



30.9828, 33.9968, 81.2730



41.0332, 33.9968, 67.1016



33.6806, 33.9968, 12.7120



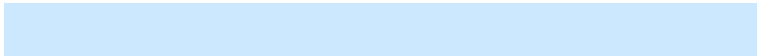
24.9249, 33.9968, 17.6135

Sweetspot

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



30.9840, 33.9980, 81.2739



71.9437, 78.0411, 105.8793



37.0902, 61.3701, 36.5733



14.7985, 16.1132, 22.5801



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.



30.9840, 33.9980, 81.2739



32.8558, 34.8049, 99.5941



21.2205, 14.4710, 78.0194



14.2470, 15.2155, 18.3303



12.6126, 12.2874, 44.0901



1.0243, 1.0925, 3.2888

Inverse Universe

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



42.7050, 25.2864, 37.7529



49.2080, 26.3413, 38.0495



60.7054, 69.8079, 17.4841



14.7123, 14.5021, 16.6853



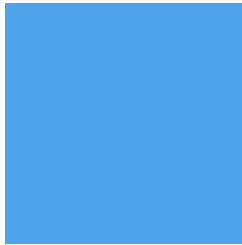
20.7598, 10.4381, 12.8959



1.5806, 0.7900, 1.1981

Previews

White Background



This preview shows how the XYZ color 30.9828, 33.9968, 81.2730 looks on a white background.

Color Contrast Check

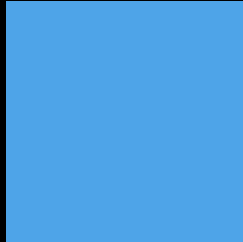
Large Text (above 18pt) WCAG AA × Fail

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 30.9828, 33.9968, 81.2730 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

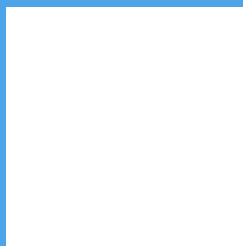
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9828, 33.9968, 81.2730

Background



This preview shows how black text looks on a background with the XYZ color 30.9828, 33.9968, 81.2730.

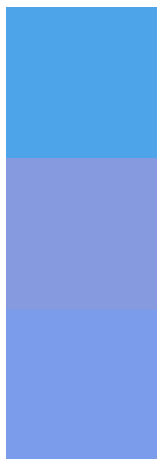


This preview shows how white text looks on a background with the XYZ color 30.9828, 33.9968,

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

30.9828, 33.9968, 81.2730

Protanopia

34.8417, 33.5614, 75.1626

Deuteranopia

34.7658, 33.8550, 82.5442



Tritanopia

25.2785, 34.1788, 52.2786

Trichromacy



Original Color

30.9828, 33.9968, 81.2730

Protanomaly

33.0314, 33.5772, 77.4131

Deuteranomaly

33.0500, 33.7436, 81.8620

Tritanomaly

27.0787, 34.0533, 61.6457

Monochromacy



Original Color

30.9828, 33.9968, 81.2730

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2122, 30.0217, 45.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9828, 33.9968, 81.2730 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, 164, 232)` looks like.

```
.text, #text, p{  
    color:rgb(78, 164, 232)  
}
```

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, 164, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 164, 232) }
```

Border

The CSS property to change the border of an element to XYZ 30.9828, 33.9968, 81.2730 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, 164, 232) }
```


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

```
.border{ border-color:rgb(78, 164, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 164, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 164, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 164, 232);  
box-shadow:4px 4px 4px 4px rgb(78, 164,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9828, 33.9968, 81.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 164, 232) }
```

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

```
.background{ background-color: rgb(78, 164,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor