

Converting Colors

XYZ(34.0166, 33.0726, 77.9896)

Have a look what the booklet for
XYZ(34.0166, 33.0726, 77.9896)
contains.

XYZ(34.0166, 33.0726, 77.9896)	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(34.0166, 33.0726,
77.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	7D9AE4
RGB	125, 154, 228
RGB Percent	49%, 60%, 89%
CMY	0.5098, 0.3961, 0.1059
CMYK	0.45, 0.32, 0.00, 0.11
HSL	223°, 66%, 69%
HSV	223°, 45%, 89%
XYZ	34.0166, 33.0726, 77.9896
YIQ	153.7650, -41.0380, 16.8660

Conversions

Conversions Part 2

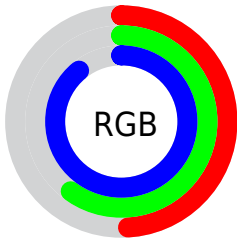
Format	Color
RYB	125, 148, 228
Decimal	8231652
CIELab	64.22, 9.22, -40.64
CIELCh	64, 41.669, 282.783
Yxy	33.0726, 0.2345, 0.2280
Android (android.graphics.Color)	4286421732 (0xFF7D9AE4)
YUV	153.7650, 36.5979, -25.2269
Hunter-Lab	57.5088, 4.9429, -40.1490

Details

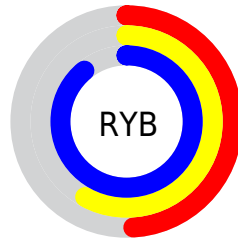
The XYZ color **34.0166, 33.0726, 77.9896** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.1212, 58.8230, 27.7995**, and the grayscale version is **30.4709, 32.0578, 34.9109**.

A 20% lighter version of the original color is **59.8973, 62.2768, 103.4714**, and **14.7509, 13.9443, 40.9438** is the 20% darker color. If you saturate the color by 10%, you get **28.5407, 26.5068, 77.0115**, and if you desaturate by 10%, it is **40.6278, 40.7725, 79.1280**.

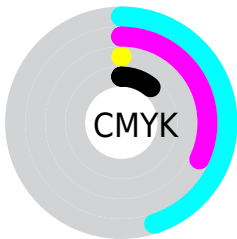
Distribution



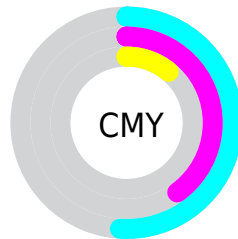
- Red (49%)
- Green (60%)
- Blue (89%)



- Red (49%)
- Yellow (58%)
- Blue (89%)



- Cyan (45%)
- Magenta (32%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0166, 33.0726, 77.9896 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 34.0166, 33.0726, 77.9896 by changing the saturation by 10% instead.

■ 34.0166, 33.0726,
77.9896

■ 34.0166, 33.0726,
77.9896

311.7907,
315.9767, 507.6585

■ 23.0693, 22.1821,
57.5490

■ 65.3036, 64.4889,
132.3212

■ 14.7657, 13.9907,
41.0339

■ 86.3740, 85.7834,
167.0493

■ 8.7403, 8.1142,
28.0257

■ 111.5495,
111.3147, 207.3770

■ 4.6279, 4.1681,
18.1058

141.1954,
141.4672, 253.7229

■ 2.0632, 1.7680,
10.8558

175.6772,
176.6252, 306.5054

■ 0.6691, 0.4671,
5.8570

215.3601,

■ 0.0000, 0.0000,

217.1732, 366.1432

2.6909

260.6094,
263.4956, 433.0547

■ 0.0000, 0.0000,
0.9389

■ 0.0000, 0.0000,
0.0000

■ 34.0166, 33.0726,
77.9896

■ 34.0166, 33.0726,
77.9896

■ 28.5407, 26.5068,
77.0115

■ 40.6278, 40.7725,
79.1280

■ 24.1286, 21.0145,
76.1839

■ 48.4326, 49.6557,
80.4313

■ 20.7059, 16.5344,
75.4996

■ 57.4895, 59.7726,
81.9067

■ 18.1861, 12.9966,
74.9495

■ 67.8520, 71.1694,
83.5603

■ 16.4655, 10.3201,
74.5236

■ 79.5705, 83.8902,
85.3981

■ 15.8480, 9.2900,
74.3573

■ 90.1445, 96.6630,
87.3062

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



28.1892, 33.0726, 76.9036



34.0166, 33.0726, 77.9896



39.8025, 33.0726, 65.5689

Triad

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



34.0166, 33.0726, 77.9896



40.5347, 33.0726, 18.1190



21.7809, 33.0726, 27.2102

Complementary

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



34.0166, 33.0726, 77.9896



56.1212, 58.8230, 27.7995

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.



24.3301, 33.0726, 17.0156



34.0166, 33.0726, 77.9896



34.9198, 33.0726, 13.0102

Square

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



34.0166, 33.0726, 77.9896



43.8708, 33.0726, 29.2786



28.9865, 33.0726, 12.6823



21.6032, 33.0726, 43.7023

Rectangle

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



34.0166, 33.0726, 77.9896



42.6624, 33.0726, 53.0417



28.9865, 33.0726, 12.6823



22.3727, 33.0726, 23.0815

Sweetspot

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



34.0178, 33.0738, 77.9904



75.4703, 78.5598, 105.7936



46.4895, 63.9627, 63.8182



15.5727, 16.1712, 22.5505



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.



34.0178, 33.0738, 77.9904



37.3265, 34.8228, 99.3619



33.4280, 26.5025, 76.7531



13.9116, 14.5445, 18.2185



9.2378, 5.5376, 42.9652



0.7594, 0.5628, 3.2006

Inverse Universe

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



45.1623, 33.4956, 34.6579



53.6429, 36.4552, 35.6923



56.8118, 70.0448, 29.9292



14.5429, 14.4344, 15.7936



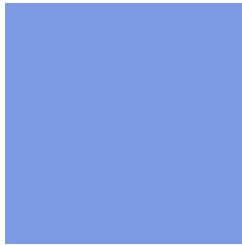
19.0563, 9.7567, 3.9255



1.4470, 0.7365, 0.4942

Previews

White Background



This preview shows how the XYZ color 34.0166, 33.0726, 77.9896 looks on a white background.

Color Contrast Check

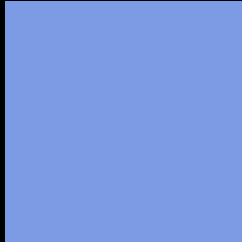
Large Text (above 18pt) WCAG AA × Fail

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 34.0166, 33.0726, 77.9896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

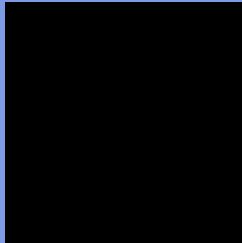
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0166, 33.0726, 77.9896

Background



This preview shows how black text looks on a background with the XYZ color 34.0166, 33.0726, 77.9896.

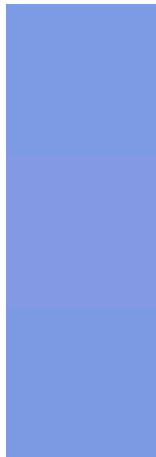


This preview shows how white text looks on a background with the XYZ color 34.0166, 33.0726,

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

34.0166, 33.0726, 77.9896

Protanopia

34.6164, 33.1538, 77.2479

Deuteranopia

33.8714, 32.9977, 77.9828



Tritanopia

27.7668, 33.1048, 46.5214

Trichromacy



Original Color

34.0166, 33.0726, 77.9896

Protanomaly

34.3096, 32.9956, 77.2335

Deuteranomaly

33.8714, 32.9977, 77.9828

Tritanomaly

29.7371, 32.8401, 56.9960

Monochromacy



Original Color

34.0166, 33.0726, 77.9896

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.2238, 32.2870, 48.3024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0166, 33.0726, 77.9896 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(125, 154, 228)` looks like.

```
.text, #text, p{  
    color:rgb(125, 154, 228)  
}
```

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(125, 154, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 154, 228) }
```

Border

The CSS property to change the border of an element to XYZ 34.0166, 33.0726, 77.9896 is called "border". The border property can be set on classes, ids or directly on the HTML element.

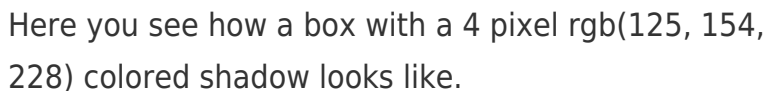
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 154, 228) }
```


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

```
.border{ border-color:rgb(125, 154, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 154, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 154, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 154, 228); box-shadow:4px 4px 4px 4px rgb(125, 154, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0166, 33.0726, 77.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 154, 228) }
```

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

```
.background{ background-color: rgb(125,  
154, 228) }
```

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