

Converting Colors

XYZ(32.9826, 36.8499, 58.8339)

Have a look what the booklet for
XYZ(32.9826, 36.8499, 58.8339)
contains.

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Color

**XYZ(32.9852, 36.8888,
58.8078)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA9C6
RGB	126, 169, 198
RGB Percent	49%, 66%, 78%
CMY	0.5059, 0.3372, 0.2235
CMYK	0.36, 0.15, 0.00, 0.22
HSL	204°, 39%, 64%
HSV	204°, 36%, 78%
XYZ	32.9852, 36.8888, 58.8078
YIQ	159.4490, -34.9370, -0.0970

Conversions

Conversions Part 2

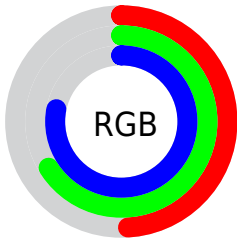
Format	Color
R _Y B	126, 153, 198
Decimal	8300998
CIE Lab	67.19, -7.22, -19.44
CIE LCh	67, 20.737, 249.614
Yxy	36.8888, 0.2563, 0.2867
Android (android.graphics.Color)	4286491078 (0xFF7EA9C6)
YUV	159.4490, 19.0056, -29.3348
Hunter-Lab	60.7362, -9.3467, -14.8923

Details

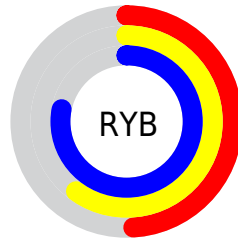
The XYZ color **32.9852, 36.8888, 58.8078** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.7766, 36.9554, 24.8291**, and the grayscale version is **33.0883, 34.8114, 37.9097**.

A 20% lighter version of the original color is **63.7617, 70.3551, 104.8270**, and **14.1430, 16.1527, 28.7579** is the 20% darker color. If you saturate the color by 10%, you get **28.9110, 32.6536, 58.2057**, and if you desaturate by 10%, it is **37.7300, 41.6058, 59.4688**.

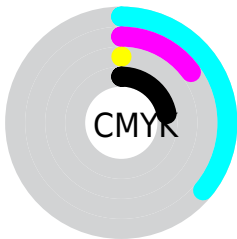
Distribution



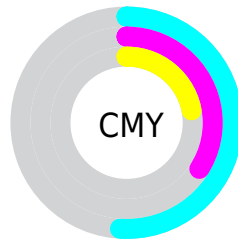
- Red (49%)
- Green (66%)
- Blue (78%)



- Red (49%)
- Yellow (60%)
- Blue (78%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (51%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9852, 36.8888, 58.8078 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 32.9852, 36.8888, 58.8078 by changing the saturation by 10% instead.

■ 32.9852, 36.8888,
58.8078

■ 32.9852, 36.8888,
58.8078

307.2492,
332.8288, 437.8713

■ 22.2743, 25.1214,
42.0394

■ 63.7073, 70.4017,
104.6246

■ 14.1763, 16.1675,
28.8064

■ 84.4491, 92.9160,
134.5102

■ 8.3259, 9.6428,
18.6901

■ 109.2653,
119.7815, 169.6052

■ 4.3577, 5.1628,
11.2720

138.5212,
151.3824, 210.3282

■ 1.9064, 2.3431,
6.1336

172.5822,
188.1032, 257.0978

■ 0.5806, 0.7964,
2.8564

211.8137,

■ 0.0000, 0.0000,

230.3283, 310.3325

1.0218

256.5809,
278.4420, 370.4508

■ 0.0000, 0.0000,
0.0000

■ 32.9852, 36.8888,
58.8078

■ 32.9852, 36.8888,
58.8078

■ 28.9110, 32.6536,
58.2057

■ 37.7300, 41.6058,
59.4688

■ 25.4682, 28.8750,
57.6578

■ 43.1750, 46.8195,
60.1882

■ 22.6183, 25.5316,
57.1627

■ 49.3521, 52.5496,
60.9686

■ 20.3169, 22.5980,
56.7177

■ 56.2900, 58.8129,
61.8119

■ 18.5126, 20.0450,
56.3201

■ 64.0158, 65.6258,
62.7197

■ 17.1396, 17.8362,
55.9661

■ 72.5554, 73.0035,
63.6937

■ 16.7016, 17.0941,
55.8459

■ 78.3113, 79.0936,
64.5658

■ 80.5157, 83.5023,
65.3006

■ 82.8220, 88.1149,
66.0694

Harmonies

Analogous

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



30.5815, 36.8888, 52.3284



32.9852, 36.8888, 58.8078



36.0874, 36.8888, 59.9060

Triad

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



32.9852, 36.8888, 58.8078



41.4074, 36.8888, 37.3260



31.3246, 36.8888, 28.1848

Complementary

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



32.9852, 36.8888, 58.8078



38.7766, 36.9554, 24.8291

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.



34.0556, 36.8888, 25.3218



32.9852, 36.8888, 58.8078



39.9594, 36.8888, 30.0506

Square

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



32.9852, 36.8888, 58.8078



41.0781, 36.8888, 46.5447



37.2236, 36.8888, 25.9492



29.6635, 36.8888, 34.3978

Rectangle

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



32.9852, 36.8888, 58.8078



38.1542, 36.8888, 57.2938



37.2236, 36.8888, 25.9492



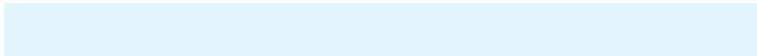
32.1410, 36.8888, 26.8445

Sweetspot

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



32.9864, 36.8902, 58.8087



81.9740, 88.0653, 107.2855



34.6988, 47.1844, 38.2020



17.2256, 18.5521, 22.9230



0.0000, 0.0000, 0.0000



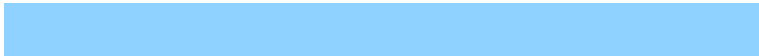
20.3446, 21.4041, 23.3091

Same Dimension

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



32.9864, 36.8902, 58.8087



52.3429, 59.0414, 103.2451



27.2131, 25.3438, 56.8843



10.5745, 11.3231, 13.5457



10.9470, 11.2880, 36.3462



0.5880, 0.6738, 1.7442

Inverse Universe

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



37.9120, 29.7931, 41.2901



62.6417, 45.4886, 66.3276



45.6426, 50.6873, 27.1177



10.8953, 10.7415, 12.4318



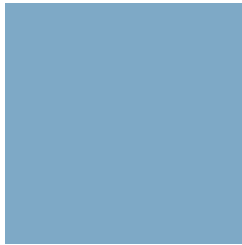
17.3249, 8.6795, 12.1866



0.8555, 0.4250, 0.7621

Previews

White Background



This preview shows how the XYZ color 32.9852, 36.8888, 58.8078 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 32.9852, 36.8888, 58.8078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

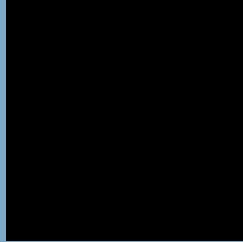
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

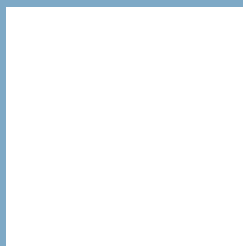
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9852, 36.8888, 58.8078

Background



This preview shows how black text looks on a background with the XYZ color 32.9852, 36.8888, 58.8078.



This preview shows how white text looks on a background with the XYZ color 32.9852, 36.8888,

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

32.9852, 36.8888, 58.8078

Protanopia

36.4506, 36.8590, 55.6454

Deuteranopia

37.4933, 36.7853, 59.7677



Tritanopia

31.4882, 36.8396, 51.3501

Trichromacy



Original Color

32.9852, 36.8888, 58.8078

Protanomaly

35.1595, 36.9614, 56.9109

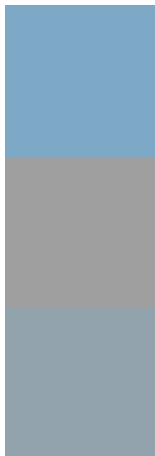
Deuteranomaly

35.6187, 36.6138, 59.2227

Tritanomaly

31.9812, 36.7522, 54.1235

Monochromacy



Original Color

32.9852, 36.8888, 58.8078

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6726, 35.4146, 44.6488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9852, 36.8888, 58.8078 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(126, 169, 198)` looks like.

```
.text, #text, p{  
    color:rgb(126, 169, 198)  
}
```

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(126, 169, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 169, 198) }
```

Border

The CSS property to change the border of an element to XYZ 32.9852, 36.8888, 58.8078 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(126, 169, 198) }
```


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

```
.border{ border-color:rgb(126, 169, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 169, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 169, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 169, 198);  
box-shadow:4px 4px 4px 4px rgb(126, 169,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9852, 36.8888, 58.8078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 169, 198) }
```

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

```
.background{ background-color: rgb(126,  
169, 198) }
```

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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