

Converting Colors

XYZ(34.7965, 41.4504, 78.1198)

Have a look what the booklet for
XYZ(34.7965, 41.4504, 78.1198)
contains.

XYZ(34.7808, 41.4818, 78.1252)	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(34.7808, 41.4818,
78.1252)**

Conversions

Conversions Part 1

Format	Color
Hex	59B7E2
RGB	89, 183, 226
RGB Percent	35%, 72%, 89%
CMY	0.6510, 0.2823, 0.1137
CMYK	0.61, 0.19, 0.00, 0.11
HSL	199°, 70%, 62%
HSV	199°, 61%, 89%
XYZ	34.7808, 41.4818, 78.1252
YIQ	159.7960, -69.8270, -6.5550

Conversions

Conversions Part 2

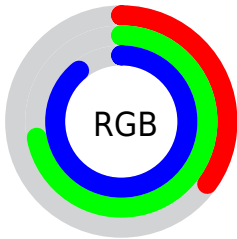
Format	Color
R _Y B	89, 145, 226
Decimal	5879778
CIE Lab	70.51, -15.26, -29.89
CIE LCh	71, 33.563, 242.947
Yxy	41.4818, 0.2253, 0.2687
Android (android.graphics.Color)	4284069858 (0xFF59B7E2)
YUV	159.7960, 32.6386, -62.0881
Hunter-Lab	64.4064, -16.3174, -26.8346

Details

The XYZ color **34.7808, 41.4818, 78.1252** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **41.4200, 33.3945, 13.7156**, and the grayscale version is **33.1988, 34.9277, 38.0363**.

A 20% lighter version of the original color is **61.4942, 75.4370, 105.9275**, and **15.3333, 18.9055, 41.3691** is the 20% darker color. If you saturate the color by 10%, you get **31.5094, 37.6785, 77.5643**, and if you desaturate by 10%, it is **38.7942, 45.7787, 78.7438**.

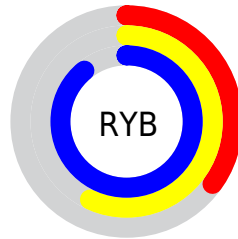
Distribution



Red (35%)

Green (72%)

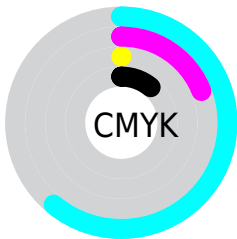
Blue (89%)



Red (35%)

Yellow (57%)

Blue (89%)

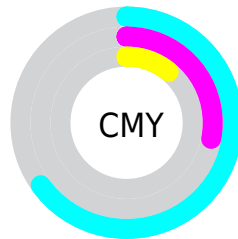


Cyan (61%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (28%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7808, 41.4818, 78.1252 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 34.7808, 41.4818, 78.1252 by changing the saturation by 10% instead.

■ 34.7808, 41.4818,
78.1252

■ 34.7808, 41.4818,
78.1252

315.1247,
352.3303, 508.1311

■ 23.6598, 28.6957,
57.6598

■ 66.4823, 77.4147,
132.5141

■ 15.2048, 18.8508,
41.1223

■ 87.7935, 101.3304,
167.2746

■ 9.0505, 11.5625,
28.0942

■ 113.2322,
129.7248, 207.6372

■ 4.8315, 6.4465,
18.1570

■ 143.1637,
162.9822, 254.0205

■ 2.1825, 3.1185,
10.8922

177.9533,
201.4870, 306.8430

■ 0.7335, 1.1939,
5.8811

217.9665,

■ 0.0000, 0.0567,

245.6237, 366.5233

2.7053

263.5685,
295.7767, 433.4798

■ 0.0000, 0.0000,
0.9461

■ 0.0000, 0.0000,
0.0000

■ 34.7808, 41.4818,
78.1252

■ 34.7808, 41.4818,
78.1252

■ 31.5094, 37.6785,
77.5643

■ 38.7942, 45.7787,
78.7438

■ 28.9117, 34.3296,
77.0548

■ 43.6016, 50.5952,
79.4201

■ 26.9127, 31.3955,
76.5938

■ 49.2550, 55.9603,
80.1578

■ 25.4599, 28.9556,
76.1995

■ 55.8005, 61.8994,
80.9591

■ 63.2805, 68.4359,
81.8266

■ 71.7349, 75.5916,
82.7621

■ 81.2009, 83.3872,
83.7679

■ 86.0545, 88.9248,
84.5810

■ 88.1809, 93.1776,
85.2898

Harmonies

Analogous

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



31.1511, 41.4818, 63.8610



34.7808, 41.4818, 78.1252



39.9772, 41.4818, 82.9708

Triad

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



34.7808, 41.4818, 78.1252



51.0435, 41.4818, 43.6169



33.9160, 41.4818, 24.1079

Complementary

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



34.7808, 41.4818, 78.1252



41.4200, 33.3945, 13.7156

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.



38.8823, 41.4818, 21.0474



34.7808, 41.4818, 78.1252



49.0528, 41.4818, 30.5309

Square

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



34.7808, 41.4818, 78.1252



49.6888, 41.4818, 60.5010



44.4700, 41.4818, 23.0910



30.6856, 41.4818, 32.6705

Rectangle

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



34.7808, 41.4818, 78.1252



43.7253, 41.4818, 79.4628



44.4700, 41.4818, 23.0910



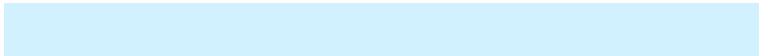
35.4204, 41.4818, 22.5059

Sweetspot

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



34.7822, 41.4833, 78.1262



75.7078, 83.4599, 106.7269



35.3536, 58.1321, 30.5136



15.6190, 17.3448, 22.7746



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.



34.7822, 41.4833, 78.1262



40.3629, 48.2184, 101.7875



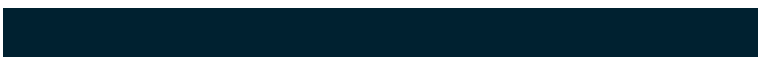
24.1405, 20.1999, 74.5790



13.7348, 14.8086, 17.5221



14.6354, 16.7404, 43.5082



1.0935, 1.3184, 3.0421

Inverse Universe

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



43.4849, 26.7339, 47.6694



53.3880, 29.5095, 55.4489



53.4999, 57.5545, 17.7422



14.1023, 13.8586, 16.3091



21.3275, 10.5980, 18.9221



1.5182, 0.7505, 1.5216

Previews

White Background



This preview shows how the XYZ color 34.7808, 41.4818, 78.1252 looks on a white background.

Color Contrast Check

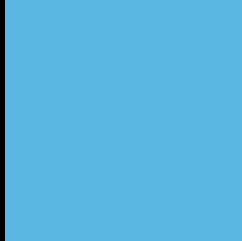
Large Text (above 18pt) WCAG AA × Fail

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 34.7808, 41.4818, 78.1252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

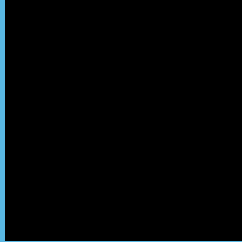
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7808, 41.4818, 78.1252

Background



This preview shows how black text looks on a background with the XYZ color 34.7808, 41.4818, 78.1252.



This preview shows how white text looks on a background with the XYZ color 34.7808, 41.4818,

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

34.7808, 41.4818, 78.1252

Protanopia

41.2666, 41.1809, 70.7395

Deuteranopia

42.0411, 41.1010, 79.8462



Tritanopia

31.5729, 41.4246, 62.2088

Trichromacy



Original Color

34.7808, 41.4818, 78.1252

Protanomaly

38.0798, 40.8956, 73.5968

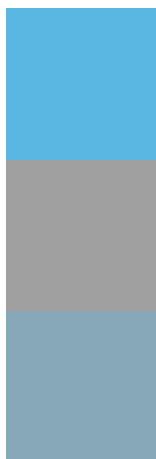
Deuteranomaly

38.6554, 40.7791, 79.2326

Tritanomaly

32.7965, 41.6148, 67.9319

Monochromacy



Original Color

34.7808, 41.4818, 78.1252

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4859, 36.5343, 50.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7808, 41.4818, 78.1252 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(89, 183, 226)` looks like.

```
.text, #text, p{  
    color:rgb(89, 183, 226)  
}
```

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(89, 183, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 183, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.7808, 41.4818, 78.1252 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(89, 183, 226) }
```


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

```
.border{ border-color:rgb(89, 183, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 183, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 183, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 183, 226);  
box-shadow:4px 4px 4px 4px rgb(89, 183,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7808, 41.4818, 78.1252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 183, 226) }
```

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

```
.background{ background-color: rgb(89, 183,  
226) }
```

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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