

Converting Colors

XYZ(34.8523, 50.7255, 31.0911)

Have a look what the booklet for
XYZ(34.8523, 50.7255, 31.0911)
contains.

XYZ(34.7828, 50.5408, 31.2147)	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(34.7828, 50.5408,
31.2147)**

Conversions

Conversions Part 1

Format	Color
Hex	7ACF88
RGB	122, 207, 136
RGB Percent	48%, 81%, 53%
CMY	0.5216, 0.1882, 0.4667
CMYK	0.41, 0.00, 0.34, 0.19
HSL	130°, 47%, 65%
HSV	130°, 41%, 81%
XYZ	34.7828, 50.5408, 31.2147
YIQ	173.4910, -27.8690, -40.1010

Conversions

Conversions Part 2

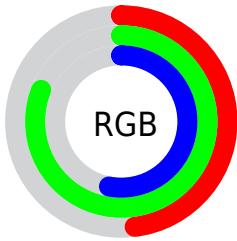
Format	Color
RYB	122, 195, 207
Decimal	8048520
CIELab	76.40, -40.64, 27.44
CIELCh	76, 49.031, 145.975
Yxy	50.5408, 0.2985, 0.4337
Android (android.graphics.Color)	4286238600 (0xFF7ACF88)
YUV	173.4910, -18.4831, -45.1576
Hunter-Lab	71.0921, -37.0774, 23.7317

Details

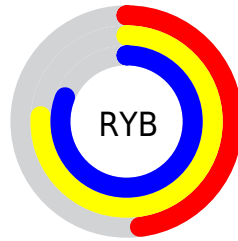
The XYZ color **34.7828, 50.5408, 31.2147** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.3189, 31.0357, 54.2138**, and the grayscale version is **40.0741, 42.1611, 45.9134**.

A 20% lighter version of the original color is **63.4144, 84.7027, 61.7222**, and **15.1827, 24.3056, 12.4856** is the 20% darker color. If you saturate the color by 10%, you get **31.0268, 48.7367, 25.1339**, and if you desaturate by 10%, it is **39.3639, 52.7503, 38.3712**.

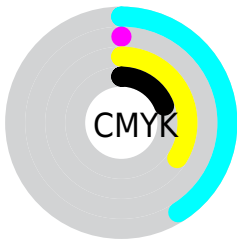
Distribution



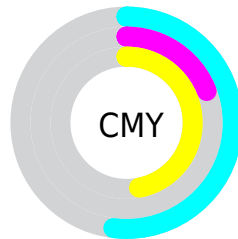
- Red (48%)
- Green (81%)
- Blue (53%)



- Red (48%)
- Yellow (76%)
- Blue (81%)



- Cyan (41%)
- Magenta (0%)
- Yellow (34%)
- Black (19%)



- Cyan (52%)
- Magenta (19%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7828, 50.5408, 31.2147 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 34.7828, 50.5408, 31.2147 by changing the saturation by 10% instead.

■ 34.7828, 50.5408,
31.2147

■ 34.7828, 50.5408,
31.2147

315.1334,
388.7770, 321.9080

■ 23.6613, 35.8433,
20.5026

■ 66.4854, 90.9756,
62.6615

■ 15.2060, 24.3132,
12.5732

■ 87.7972, 117.4818,
84.2332

■ 9.0513, 15.5661,
7.0081

■ 113.2366,
148.6929, 110.2618

■ 4.8321, 9.2176,
3.3886

143.1688,
184.9933, 141.1659

■ 2.1828, 4.8834,
1.2963

177.9593,
226.7676, 177.3641

■ 0.7337, 2.1790,
0.0588

217.9733,

■ 0.0000, 0.7085,

274.4001, 219.2748

0.0000

263.5762,
328.2751, 267.3166

■ 0.0000, 0.0000,
0.0000

■ 34.7828, 50.5408,
31.2147

■ 34.7828, 50.5408,
31.2147

■ 31.0268, 48.7367,
25.1339

■ 39.3639, 52.7503,
38.3712

■ 28.0426, 47.3072,
20.0735

■ 44.8116, 55.3811,
46.6482

■ 25.7766, 46.2273,
15.9784


■ 51.1691, 58.4560,
56.0923


■ 24.1664, 45.4662,
12.7871


■ 58.4757, 61.9945,
66.7464

■ 23.1387, 44.9875,
10.4307

■ 66.7683, 66.0146,
78.6512

 22.6039, 44.7437,
8.9657

 76.0819, 70.5335,
91.8455

 81.6038, 73.1076,
104.4179

Harmonies

Analogous

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



40.6786, 50.5408, 20.8255



34.7828, 50.5408, 31.2147



32.4243, 50.5408, 51.5406

Triad

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



34.7828, 50.5408, 31.2147



46.8030, 50.5408, 122.8680



65.8169, 50.5408, 35.6415

Complementary

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



34.7828, 50.5408, 31.2147



42.3189, 31.0357, 54.2138

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.



67.9974, 50.5408, 58.6741



34.7828, 50.5408, 31.2147



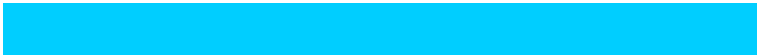
56.2344, 50.5408, 114.5110

Square

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



34.7828, 50.5408, 31.2147



38.7785, 50.5408, 108.7962



64.2927, 50.5408, 88.6382



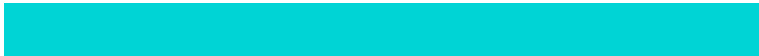
58.6642, 50.5408, 22.7476

Rectangle

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



34.7828, 50.5408, 31.2147



32.9204, 50.5408, 70.2323



64.2927, 50.5408, 88.6382



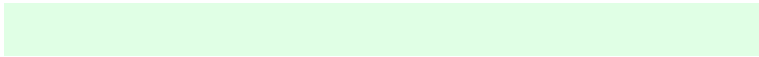
67.1920, 50.5408, 42.1974

Sweetspot

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



34.7841, 50.5429, 31.2158



80.8290, 93.1131, 88.1639



48.1400, 57.5357, 26.9810



16.9987, 19.7839, 18.4248



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.



34.7841, 50.5429, 31.2158



50.5296, 78.4922, 41.6086



38.3011, 51.9497, 49.7359



11.7346, 13.2376, 12.9589



14.2644, 28.1987, 5.7723



0.8229, 1.5868, 0.4559

Inverse Universe

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



42.3189, 31.0357, 54.2138



64.1409, 43.2032, 83.1164



38.3401, 29.4442, 33.2620



12.2237, 11.9742, 14.4537



20.9888, 10.2684, 25.9110



1.1964, 0.5833, 1.5689

Previews

White Background



This preview shows how the XYZ color 34.7828, 50.5408, 31.2147 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 34.7828, 50.5408, 31.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

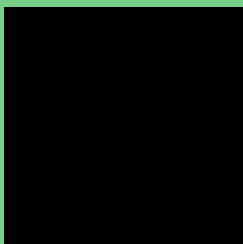
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

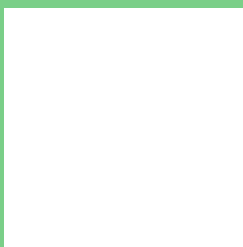
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7828, 50.5408, 31.2147

Background



This preview shows how black text looks on a background with the XYZ color 34.7828, 50.5408, 31.2147.

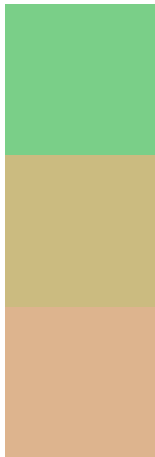


This preview shows how white text looks on a background with the XYZ color 34.7828, 50.5408,

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

34.7828, 50.5408, 31.2147

Protanopia

46.2952, 49.7957, 27.5936

Deuteranopia

51.0225, 49.9677, 32.5467



Tritanopia

42.4577, 50.1399, 70.3910

Trichromacy



Original Color

34.7828, 50.5408, 31.2147



Protanomaly

40.8441, 49.2209, 28.8206



Deuteranomaly

43.1547, 49.0346, 32.0011



Tritanomaly

39.1593, 50.1816, 53.5210

Monochromacy



Original Color

34.7828, 50.5408, 31.2147



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.0206, 44.1060, 39.8198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7828, 50.5408, 31.2147 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(122, 207, 136)` looks like.

```
.text, #text, p{  
    color:rgb(122, 207, 136)  
}
```

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(122, 207, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 207, 136) }
```

Border

The CSS property to change the border of an element to XYZ 34.7828, 50.5408, 31.2147 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(122, 207, 136) }
```


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

```
.border{ border-color:rgb(122, 207, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 207, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 207, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 207, 136);  
box-shadow:4px 4px 4px 4px rgb(122, 207,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7828, 50.5408, 31.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 207, 136) }
```

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

```
.background{ background-color: rgb(122,  
207, 136) }
```

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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