

Converting Colors

XYZ(31.1004, 44.4228, 31.9023)

Have a look what the booklet for
XYZ(31.1004, 44.4228, 31.9023)
contains.

XYZ(31.0588, 44.4344, 31.7507)	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(31.0588, 44.4344,
31.7507)**

Conversions

Conversions Part 1

Format	Color
Hex	71C38C
RGB	113, 195, 140
RGB Percent	44%, 76%, 55%
CMY	0.5569, 0.2353, 0.4510
CMYK	0.42, 0.00, 0.28, 0.24
HSL	140°, 41%, 60%
HSV	140°, 42%, 76%
XYZ	31.0588, 44.4344, 31.7507
YIQ	164.2120, -31.2170, -34.4890

Conversions

Conversions Part 2

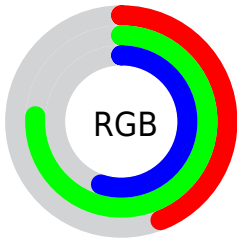
Format	Color
RYB	113, 175, 195
Decimal	7455628
CIELab	72.52, -37.15, 19.99
CIELCh	73, 42.189, 151.715
Yxy	44.4344, 0.2896, 0.4143
Android (android.graphics.Color)	4285645708 (0xFF71C38C)
YUV	164.2120, -11.9365, -44.9129
Hunter-Lab	66.6591, -33.4841, 18.4207

Details

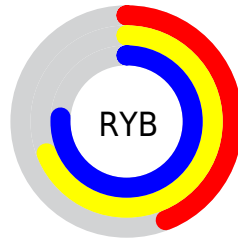
The XYZ color **31.0588, 44.4344, 31.7507** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.4802, 26.2405, 40.2424**, and the grayscale version is **35.4543, 37.3006, 40.6204**.

A 20% lighter version of the original color is **60.6965, 81.8407, 63.6367**, and **13.1740, 20.7177, 12.9774** is the 20% darker color. If you saturate the color by 10%, you get **27.9068, 42.9156, 26.8648**, and if you desaturate by 10%, it is **34.8669, 46.2806, 37.2677**.

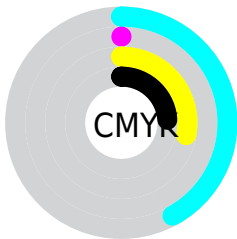
Distribution



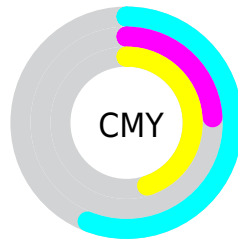
- Red (44%)
- Green (76%)
- Blue (55%)



- Red (44%)
- Yellow (69%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (28%)
- Black (24%)





- Cyan (56%)
- Magenta (24%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0588, 44.4344, 31.7507 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 31.0588, 44.4344, 31.7507 by changing the saturation by 10% instead.


 31.0588, 44.4344,
31.7507


 31.0588, 44.4344,
31.7507


298.6312,
364.4780, 324.4397


 20.7957, 31.0122,
20.9079


 60.7078, 81.8710,
63.5134

 13.0863, 20.6081,
12.8661


 80.8245, 106.6542,
85.2704

 7.5654, 12.8378,
7.2068


 104.9563,
135.9931, 111.5026

 3.8676, 7.3170,
3.5113

133.4687,
170.2722, 142.6285

 1.6275, 3.6611,
1.3613

166.7271,
209.8758, 179.0666

 0.4102, 1.4859,
0.1112

205.0967,

 0.0000, 0.2787,

255.1884, 221.2354

0.0000

248.9429,
306.5943, 269.5536

■ 0.0000, 0.0000,
0.0000

■ 31.0588, 44.4344,
31.7507

■ 31.0588, 44.4344,
31.7507

■ 27.9068, 42.9156,
26.8648

■ 34.8669, 46.2806,
37.2677

■ 25.3684, 41.6991,
22.5844

■ 39.3630, 48.4666,
43.4343

■ 23.4016, 40.7651,
18.8862


■ 44.5813, 51.0108,
50.2720


■ 21.9575, 40.0886,
15.7445


■ 50.5525, 53.9287,
57.8003


■ 20.9777, 39.6403,
13.1315


■ 57.3057, 57.2347,
66.0381

 20.4473, 39.4045,
11.4097

 64.8681, 60.9426,
75.0034

 73.2658, 65.0656,
84.7134

 77.1823, 66.8624,
94.9351

 78.8060, 67.5119,
103.4853

Harmonies

Analogous

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



35.2885, 44.4344, 21.6471



31.0588, 44.4344, 31.7507



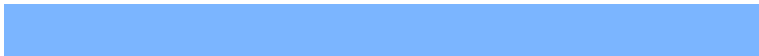
29.7208, 44.4344, 49.5923

Triad

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



31.0588, 44.4344, 31.7507



42.6543, 44.4344, 100.5886



55.3075, 44.4344, 30.2057

Complementary

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



31.0588, 44.4344, 31.7507



35.4802, 26.2405, 40.2424

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.



57.8418, 44.4344, 47.1905



31.0588, 44.4344, 31.7507



50.0349, 44.4344, 91.1684

Square

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



31.0588, 44.4344, 31.7507



35.9367, 44.4344, 93.0127



55.8109, 44.4344, 69.9932



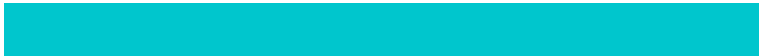
49.2261, 44.4344, 20.9521

Rectangle

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



31.0588, 44.4344, 31.7507



30.5092, 44.4344, 64.7968



55.8109, 44.4344, 69.9932



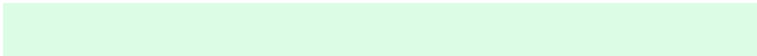
56.6320, 44.4344, 35.0029

Sweetspot

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



31.0600, 44.4362, 31.7517



78.7001, 90.7998, 88.5636



38.8667, 48.6633, 22.9677



16.7564, 19.6510, 18.7749



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.



31.0600, 44.4362, 31.7517



50.6373, 77.1757, 49.1691



34.5614, 45.8368, 50.1898



10.0781, 11.3123, 11.4148



13.3240, 25.6237, 7.5993



0.6079, 1.1200, 0.4982

Inverse Universe

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



35.4802, 26.2405, 40.2424



59.5416, 40.4564, 66.2255



32.3106, 24.9726, 23.5515



10.3517, 10.1893, 11.9426



17.3212, 8.6182, 14.8693



0.7791, 0.3847, 0.8042

Previews

White Background



This preview shows how the XYZ color 31.0588, 44.4344, 31.7507 looks on a white background.

Color Contrast Check

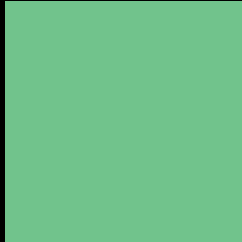
Large Text (above 18pt) WCAG AA × Fail

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 31.0588, 44.4344, 31.7507 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

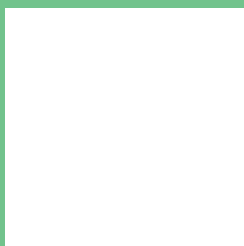
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0588, 44.4344, 31.7507

Background



This preview shows how black text looks on a background with the XYZ color 31.0588, 44.4344, 31.7507.

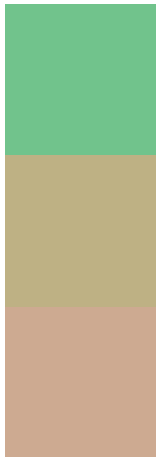


This preview shows how white text looks on a background with the XYZ color 31.0588, 44.4344,

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

31.0588, 44.4344, 31.7507

Protanopia

41.1222, 44.0574, 28.1663

Deuteranopia

44.6624, 43.7729, 32.8831



Tritanopia

37.1834, 44.3169, 62.4714

Trichromacy



Original Color

31.0588, 44.4344, 31.7507



Protanomaly

36.4140, 43.7116, 29.4396



Deuteranomaly

38.0913, 42.9940, 32.2777



Tritanomaly

34.5762, 44.2192, 49.3606

Monochromacy



Original Color

31.0588, 44.4344, 31.7507



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.9234, 39.0462, 36.8118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0588, 44.4344, 31.7507 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(113, 195, 140)` looks like.

```
.text, #text, p{  
    color:rgb(113, 195, 140)  
}
```

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(113, 195, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 195, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.0588, 44.4344, 31.7507 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(113, 195, 140) }
```


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

```
.border{ border-color:rgb(113, 195, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 195, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 195, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 195, 140);  
box-shadow:4px 4px 4px 4px rgb(113, 195,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0588, 44.4344, 31.7507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 195, 140) }
```

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

```
.background{ background-color: rgb(113,  
195, 140) }
```

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