

Converting Colors

XYZ(31.5533, 46.4690, 33.0887)

Have a look what the booklet for
XYZ(31.5533, 46.4690, 33.0887)
contains.

XYZ(31.4806, 46.3257, 32.8737)	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(31.4806, 46.3257,
32.8737)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC88E
RGB	106, 200, 142
RGB Percent	42%, 78%, 56%
CMY	0.5843, 0.2157, 0.4431
CMYK	0.47, 0.00, 0.29, 0.22
HSL	143°, 46%, 60%
HSV	143°, 47%, 78%
XYZ	31.4806, 46.3257, 32.8737
YIQ	165.2820, -37.4060, -37.9660

Conversions

Conversions Part 2

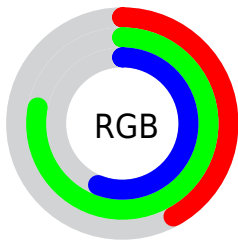
Format	Color
RYB	106, 174, 200
Decimal	6998158
CIELab	73.76, -40.94, 20.58
CIELCh	74, 45.820, 153.309
Yxy	46.3257, 0.2844, 0.4186
Android (android.graphics.Color)	4285188238 (0xFF6AC88E)
YUV	165.2820, -11.4780, -51.9903
Hunter-Lab	68.0630, -36.5501, 19.0076

Details

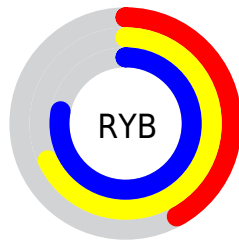
The XYZ color **31.4806, 46.3257, 32.8737** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.6758, 25.2688, 38.1207**, and the grayscale version is **35.9668, 37.8399, 41.2076**.

A 20% lighter version of the original color is **60.6241, 83.1869, 65.0860**, and **13.2803, 21.6591, 13.3782** is the 20% darker color. If you saturate the color by 10%, you get **28.4996, 44.8914, 28.1628**, and if you desaturate by 10%, it is **35.1209, 48.0906, 38.1530**.

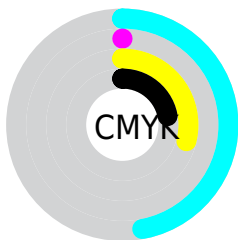
Distribution



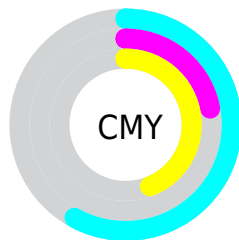
- Red (42%)
- Green (78%)
- Blue (56%)



- Red (42%)
- Yellow (68%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (29%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4806, 46.3257, 32.8737 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 31.4806, 46.3257, 32.8737 by changing the saturation by 10% instead.


 31.4806, 46.3257,
32.8737


 31.4806, 46.3257,
32.8737


300.5339,
372.1165, 329.6948


 21.1187, 32.5029,
21.7594


 61.3666, 84.7062,
65.2920


 13.3238, 21.7459,
13.4836


 81.6215, 110.0328,
87.4331

 7.7304, 13.6703,
7.6278


 105.9047,
139.9627, 114.0869

 3.9733, 7.8917,
3.7734

 134.5817,
174.8803, 145.6719

 1.6870, 4.0257,
1.5018

168.0177,
215.1701, 182.6066

 0.4481, 1.6880,
0.2193

206.5782,

 0.0000, 0.4159,

261.2165, 225.3097

0.0000

250.6285,
313.4039, 274.1995

■ 0.0000, 0.0000,
0.0000

■ 31.4806, 46.3257,
32.8737

■ 31.4806, 46.3257,
32.8737

■ 28.4996, 44.8914,
28.1628

■ 35.1209, 48.0906,
38.1530

■ 26.1317, 43.7605,
23.9978

■ 39.4554, 50.1998,
44.0160

■ 24.3306, 42.9106,
20.3593


■ 44.5207, 52.6732,
50.4811


■ 23.0410, 42.3138,
17.2252

■ 50.3498, 55.5275,
57.5652


■ 22.1892, 41.9326,
14.5715


■ 56.9735, 58.7781,
65.2844

 21.9805, 41.8404,
13.8641

 64.4211, 62.4399,
73.6541

 72.7201, 66.5269,
82.6893

 77.7317, 68.9049,
92.2095

 79.6358, 69.6665,
102.2359

Harmonies

Analogous

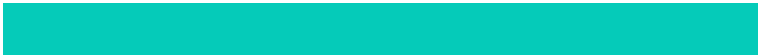
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.9866, 46.3257, 21.4980



31.4806, 46.3257, 32.8737



30.1867, 46.3257, 53.0717

Triad

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



31.4806, 46.3257, 32.8737



44.9405, 46.3257, 109.6951



58.4423, 46.3257, 29.6199

Complementary

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



31.4806, 46.3257, 32.8737



35.6758, 25.2688, 38.1207

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.



61.5690, 46.3257, 47.8983



31.4806, 46.3257, 32.8737



53.1934, 46.3257, 97.9142

Square

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



31.4806, 46.3257, 32.8737



37.3713, 46.3257, 101.9944



59.5398, 46.3257, 73.3609



51.4387, 46.3257, 20.0662

Rectangle

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



31.4806, 46.3257, 32.8737



31.1697, 46.3257, 70.3280



59.5398, 46.3257, 73.3609



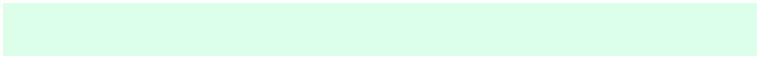
60.0181, 46.3257, 34.7079

Sweetspot

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



31.4818, 46.3276, 32.8747



79.7678, 92.5082, 90.7216



38.8856, 50.4079, 21.3163



16.6216, 19.5795, 18.8603



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.



31.4818, 46.3276, 32.8747



49.4323, 77.7638, 48.9097



35.6193, 47.9826, 54.6622



10.6628, 11.9540, 12.1743



14.0160, 26.6188, 9.0291



0.6989, 1.2745, 0.6131

Inverse Universe

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



35.6758, 25.2688, 38.1207



57.5181, 37.0772, 58.9598



32.2765, 23.9091, 20.2205



10.9043, 10.7451, 12.4792



17.4795, 8.7414, 13.0007



0.8622, 0.4277, 0.7976

Previews

White Background



This preview shows how the XYZ color 31.4806, 46.3257, 32.8737 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 31.4806, 46.3257, 32.8737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

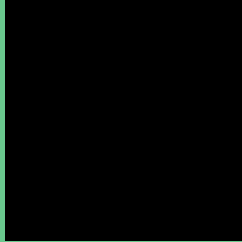
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4806, 46.3257, 32.8737

Background



This preview shows how black text looks on a background with the XYZ color 31.4806, 46.3257, 32.8737.

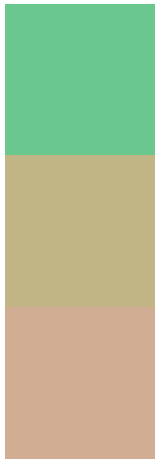


This preview shows how white text looks on a background with the XYZ color 31.4806, 46.3257,

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

31.4806, 46.3257, 32.8737

Protanopia

42.5472, 45.6734, 28.7637

Deuteranopia

46.5834, 45.5806, 34.3597



Tritanopia

38.1382, 46.3418, 65.9663

Trichromacy



Original Color

31.4806, 46.3257, 32.8737



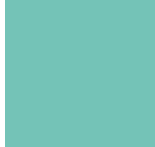
Protanomaly

36.9122, 44.8953, 30.0127



Deuteranomaly

39.1351, 44.7130, 33.7620



Tritanomaly

35.2648, 46.1621, 51.8513

Monochromacy



Original Color

31.4806, 46.3257, 32.8737



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.5078, 40.2044, 37.8925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4806, 46.3257, 32.8737 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(106, 200, 142)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 142)  
}
```

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(106, 200, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.4806, 46.3257, 32.8737 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(106, 200, 142) }
```


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

```
.border{ border-color:rgb(106, 200, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 142);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4806, 46.3257, 32.8737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 142) }
```

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

```
.background{ background-color: rgb(106,  
200, 142) }
```

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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