

Converting Colors

XYZ(32.7846, 46.3515, 31.1432)

Have a look what the booklet for
XYZ(32.7846, 46.3515, 31.1432)
contains.

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Color

**XYZ(32.8076, 46.3607,
31.2641)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC68A
RGB	122, 198, 138
RGB Percent	48%, 78%, 54%
CMY	0.5216, 0.2235, 0.4588
CMYK	0.38, 0.00, 0.30, 0.22
HSL	133°, 40%, 63%
HSV	133°, 38%, 78%
XYZ	32.8076, 46.3607, 31.2641
YIQ	168.4360, -26.0360, -34.7720

Conversions

Conversions Part 2

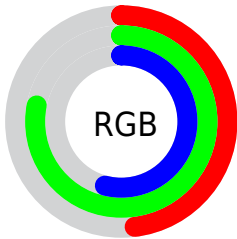
Format	Color
RYB	122, 185, 198
Decimal	8046218
CIELab	73.78, -36.24, 22.85
CIELCh	74, 42.841, 147.772
Yxy	46.3607, 0.2971, 0.4198
Android (android.graphics.Color)	4286236298 (0xFF7AC68A)
YUV	168.4360, -15.0049, -40.7244
Hunter-Lab	68.0887, -33.1474, 20.4381

Details

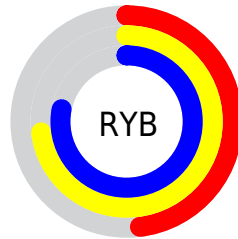
The XYZ color **32.8076, 46.3607, 31.2641** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.6933, 29.3033, 47.8747**, and the grayscale version is **37.5155, 39.4693, 42.9820**.

A 20% lighter version of the original color is **63.4059, 84.6729, 62.8708**, and **14.1890, 21.9163, 12.7150** is the 20% darker color. If you saturate the color by 10%, you get **29.2331, 44.6408, 25.6085**, and if you desaturate by 10%, it is **37.1186, 48.4441, 37.8065**.

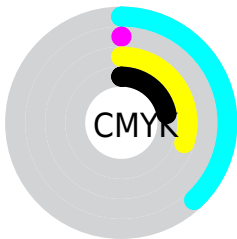
Distribution



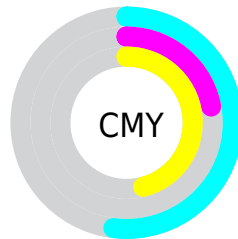
- Red (48%)
- Green (78%)
- Blue (54%)



- Red (48%)
- Yellow (73%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8076, 46.3607, 31.2641 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 32.8076, 46.3607, 31.2641 by changing the saturation by 10% instead.


 32.8076, 46.3607,
31.2641


 32.8076, 46.3607,
31.2641


306.4622,
372.2569, 322.1420


 22.1376, 32.5306,
20.5399


 63.4317, 84.7586,
62.7401

 14.0752, 21.7671,
12.6001


 84.1166, 110.0951,
84.3289

 8.2551, 13.6858,
7.0263


 108.8704,
140.0358, 110.3764

 4.3118, 7.9025,
3.3999

138.0586,
174.9652, 141.3010

 1.8800, 4.0326,
1.3023

172.0466,
215.2676, 177.5213

 0.5652, 1.6918,
0.0636

211.1996,

 0.0000, 0.4184,

261.3274, 219.4559

0.0000

255.8830,
313.5290, 267.5233

■ 0.0000, 0.0000,
0.0000

■ 32.8076, 46.3607,
31.2641

■ 32.8076, 46.3607,
31.2641

■ 29.2331, 44.6408,
25.6085

■ 37.1186, 48.4441,
37.8065

■ 26.3497, 43.2578,
20.7986

■ 42.2010, 50.9043,
45.2683

■ 24.1123, 42.1907,
16.7943


■ 48.0918, 53.7609,
53.6845


■ 22.4691, 41.4137,
13.5514


■ 54.8244, 57.0305,
63.0871


■ 21.3597, 40.8966,
11.0212


■ 62.4304, 60.7288,
73.5067

 20.6936, 40.5940,
9.1484

 70.9399, 64.8707,
84.9726

 20.6072, 40.5548,
8.9027

 78.2892, 68.3916,
97.4150

 79.4850, 68.8699,
103.7117

Harmonies

Analogous

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



37.5910, 46.3607, 21.7344



32.8076, 46.3607, 31.2641



30.9988, 46.3607, 48.8672

Triad

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



32.8076, 46.3607, 31.2641



43.4980, 46.3607, 105.0105



58.3232, 46.3607, 33.3596

Complementary

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



32.8076, 46.3607, 31.2641



38.6933, 29.3033, 47.8747

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.



60.3655, 46.3607, 52.1257



32.8076, 46.3607, 31.2641



51.2415, 46.3607, 97.3866

Square

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



32.8076, 46.3607, 31.2641



36.7116, 46.3607, 94.8835



57.6401, 46.3607, 76.2917



52.3388, 46.3607, 22.6766

Rectangle

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



32.8076, 46.3607, 31.2641



31.5457, 46.3607, 64.3834



57.6401, 46.3607, 76.2917



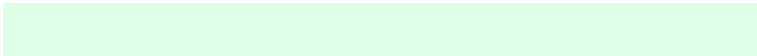
59.5217, 46.3607, 38.7360

Sweetspot

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



32.8088, 46.3626, 31.2651



81.0261, 93.1919, 89.2017



43.1896, 51.8383, 26.1424



17.0447, 19.8023, 18.6673



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.



32.8088, 46.3626, 31.2651



52.7484, 79.5204, 46.9353



35.9791, 47.6307, 47.9595



10.5873, 11.9238, 11.7770



13.4266, 26.3830, 5.9253



0.6630, 1.2601, 0.4241

Inverse Universe

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



38.6933, 29.3033, 47.8747



64.6114, 45.0814, 80.3844



35.3450, 27.9640, 30.2429



10.9838, 10.7769, 12.8978



19.0972, 9.3885, 21.5197



0.9289, 0.4544, 1.1490

Previews

White Background



This preview shows how the XYZ color 32.8076, 46.3607, 31.2641 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 32.8076, 46.3607, 31.2641 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 32.8076, 46.3607, 31.2641

Background



This preview shows how black text looks on a background with the XYZ color 32.8076, 46.3607, 31.2641.

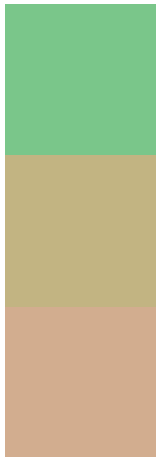


This preview shows how white text looks on a background with the XYZ color 32.8076, 46.3607,

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

32.8076, 46.3607, 31.2641

Protanopia

42.5987, 45.7236, 27.6994

Deuteranopia

46.4798, 45.5719, 32.3331



Tritanopia

39.5862, 46.4689, 64.6406

Trichromacy



Original Color

32.8076, 46.3607, 31.2641



Protanomaly

38.1524, 45.5589, 28.9732



Deuteranomaly

39.8958, 44.8440, 31.7523



Tritanomaly

36.7705, 46.3014, 50.7151

Monochromacy



Original Color

32.8076, 46.3607, 31.2641



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.9684, 41.2538, 38.0180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8076, 46.3607, 31.2641 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, 198, 138)` looks like.

```
.text, #text, p{  
    color:rgb(122, 198, 138)  
}
```

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, 198, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 198, 138) }
```

Border

The CSS property to change the border of an element to XYZ 32.8076, 46.3607, 31.2641 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, 198, 138) }
```


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

```
.border{ border-color:rgb(122, 198, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 198, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 198, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 198, 138); box-shadow:4px 4px 4px 4px rgb(122, 198, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8076, 46.3607, 31.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 198, 138) }
```

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

```
.background{ background-color: rgb(122,  
198, 138) }
```

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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