

Converting Colors

XYZ(30.9560, 38.2340, 40.7520)

Have a look what the booklet for
XYZ(30.9560, 38.2340, 40.7520)
contains.

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Color

**XYZ(30.9786, 38.2430,
40.8709)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB0A4
RGB	127, 176, 164
RGB Percent	50%, 69%, 64%
CMY	0.5020, 0.3098, 0.3569
CMYK	0.28, 0.00, 0.07, 0.31
HSL	165°, 24%, 59%
HSV	165°, 28%, 69%
XYZ	30.9786, 38.2430, 40.8709
YIQ	159.9810, -25.3520, -14.1200

Conversions

Conversions Part 2

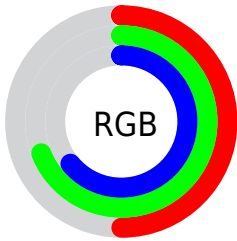
Format	Color
RYB	127, 155, 176
Decimal	8368292
CIELab	68.20, -18.83, 0.90
CIElCh	68, 18.855, 177.266
Yxy	38.2430, 0.2814, 0.3474
Android (android.graphics.Color)	4286558372 (0xFF7FB0A4)
YUV	159.9810, 1.9814, -28.9243
Hunter-Lab	61.8409, -18.8038, 4.1037

Details

The XYZ color **30.9786, 38.2430, 40.8709** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1554, 26.2740, 27.9097**, and the grayscale version is **33.4052, 35.1449, 38.2728**.

A 20% lighter version of the original color is **60.6989, 72.6515, 77.8418**, and **12.9881, 16.8723, 17.9014** is the 20% darker color. If you saturate the color by 10%, you get **28.2003, 36.8560, 38.7435**, and if you desaturate by 10%, it is **34.2301, 39.8745, 43.0909**.

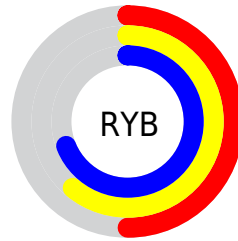
Distribution



Red (50%)

Green (69%)

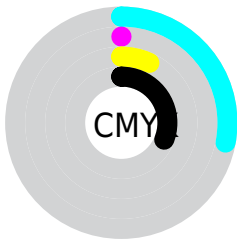
Blue (64%)



Red (50%)

Yellow (61%)

Blue (69%)

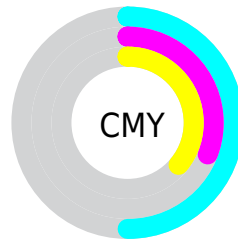


Cyan (28%)

Magenta (0%)

Yellow (7%)

Black (31%)



Cyan (50%)

Magenta (31%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9786, 38.2430, 40.8709 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 30.9786, 38.2430, 40.8709 by changing the saturation by 10% instead.

■ 30.9786, 38.2430,
40.8709

■ 30.9786, 38.2430,
40.8709

298.2684,
338.6612, 365.4414

■ 20.7343, 26.1713,
27.8993

■ 60.5824, 72.4804,
77.7394

■ 13.0413, 16.9519,
18.0114

■ 80.6727, 95.4150,
102.4734

■ 7.5342, 10.2002,
10.7886

■ 104.7757,
122.7393, 131.9652

■ 3.8476, 5.5319,
5.8125

133.2567,
154.8378, 166.6335

■ 1.6163, 2.5626,
2.6645

166.4811,
192.0949, 206.8967

■ 0.4030, 0.9079,
0.9255

204.8143,

■ 0.0000, 0.0000,

234.8949, 253.1734

0.0000

248.6216,
283.6222, 305.8821

■ 30.9786, 38.2430,
40.8709

■ 30.9786, 38.2430,
40.8709

■ 28.2003, 36.8560,
38.7435

■ 34.2301, 39.8745,
43.0909

■ 25.8682, 35.6964,
36.7045

■ 37.9739, 41.7572,
45.4028

■ 23.9571, 34.7524,
34.7527

■ 42.2318, 43.9034,
47.8089

■ 22.4381, 34.0091,
32.8861

■ 47.0234, 46.3231,
50.3108

■ 21.2788, 33.4498,
31.1024

■ 52.3672, 49.0259,
52.9101

■ 20.4411, 33.0547,
29.3993

■ 58.2809, 52.0210,
55.6082

■ 19.8644, 32.7929,
27.7731

■ 64.7812, 55.3168,
58.4064

■ 19.7523, 32.7425,
27.4310

■ 67.0155, 56.4118,
61.0784

■ 67.5216, 56.6142,
63.7435

Harmonies

Analogous

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



31.7885, 38.2430, 33.4684



30.9786, 38.2430, 40.8709



31.5420, 38.2430, 49.5240

Triad

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



30.9786, 38.2430, 40.8709



39.0064, 38.2430, 57.7914



39.4991, 38.2430, 29.4288

Complementary

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



30.9786, 38.2430, 40.8709



30.1554, 26.2740, 27.9097

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.



41.6208, 38.2430, 34.6407



30.9786, 38.2430, 40.8709



41.3257, 38.2430, 51.0442

Square

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



30.9786, 38.2430, 40.8709



36.0792, 38.2430, 60.0399



42.3064, 38.2430, 42.4189



36.6198, 38.2430, 27.4453

Rectangle

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



30.9786, 38.2430, 40.8709



32.6383, 38.2430, 54.7305



42.3064, 38.2430, 42.4189



40.3304, 38.2430, 30.8236

Sweetspot

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



30.9797, 38.2446, 40.8718



68.6530, 75.6217, 82.2144



30.0466, 38.0951, 25.8489



14.6486, 16.2729, 17.6805



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9797, 38.2446, 40.8718



53.1912, 67.8634, 71.8907



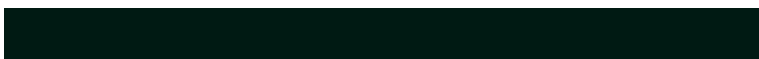
29.8208, 34.1095, 46.0881



8.6519, 9.5953, 10.4266



14.5161, 24.0324, 20.2523



0.4781, 0.7647, 0.7499

Inverse Universe

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



30.1554, 26.2740, 27.9097



51.4664, 42.7648, 44.7303



31.0054, 29.3013, 24.1010



8.5789, 8.5383, 9.2809



13.4783, 6.9089, 2.4127



0.4476, 0.2268, 0.1995

Previews

White Background



This preview shows how the XYZ color 30.9786, 38.2430, 40.8709 looks on a white background.

Color Contrast Check

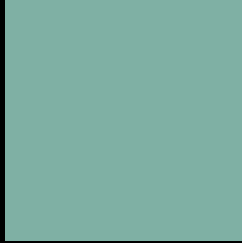
Large Text (above 18pt) WCAG AA × Fail

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 30.9786, 38.2430, 40.8709 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 30.9786, 38.2430, 40.8709

Background



This preview shows how black text looks on a background with the XYZ color 30.9786, 38.2430, 40.8709.

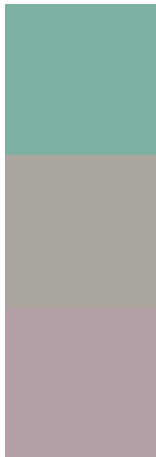


This preview shows how white text looks on a background with the XYZ color 30.9786, 38.2430,

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

30.9786, 38.2430, 40.8709

Protanopia

36.2043, 37.9249, 37.7598

Deuteranopia

38.6019, 37.7554, 41.8122



Tritanopia

33.3222, 38.3378, 52.0981

Trichromacy



Original Color

30.9786, 38.2430, 40.8709

Protanomaly

33.8596, 37.7840, 38.7662

Deuteranomaly

35.2171, 37.6027, 41.4783

Tritanomaly

32.3779, 38.2323, 47.7926

Monochromacy



Original Color

30.9786, 38.2430, 40.8709

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2820, 36.1415, 38.9928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9786, 38.2430, 40.8709 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(127, 176, 164)` looks like.

```
.text, #text, p{  
    color:rgb(127, 176, 164)  
}
```

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(127, 176, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 176, 164) }
```

Border

The CSS property to change the border of an element to XYZ 30.9786, 38.2430, 40.8709 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(127, 176, 164) }
```


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

```
.border{ border-color:rgb(127, 176, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 176, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 176, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 176, 164);  
box-shadow:4px 4px 4px 4px rgb(127, 176,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9786, 38.2430, 40.8709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 176, 164) }
```

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

```
.background{ background-color: rgb(127,  
176, 164) }
```

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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