

Converting Colors

XYZ(31.2766, 38.1456, 18.2851)

Have a look what the booklet for
XYZ(31.2766, 38.1456, 18.2851)
contains.

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Color

**XYZ(31.2465, 38.0145,
18.2610)**

Conversions

Conversions Part 1

Format	Color
Hex	9DAD66
RGB	157, 173, 102
RGB Percent	62%, 68%, 40%
CMY	0.3843, 0.3216, 0.6000
CMYK	0.09, 0.00, 0.41, 0.32
HSL	74°, 30%, 54%
HSV	74°, 41%, 68%
XYZ	31.2465, 38.0145, 18.2610
YIQ	160.1220, 13.2550, -25.4730

Conversions

Conversions Part 2

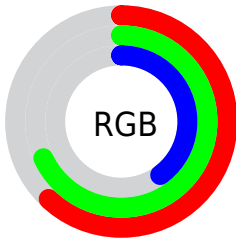
Format	Color
RYB	102, 173, 118
Decimal	10333542
CIELab	68.03, -17.12, 34.59
CIELCh	68, 38.593, 116.335
Yxy	38.0145, 0.3570, 0.4343
Android (android.graphics.Color)	4288523622 (0xFF9DAD66)
YUV	160.1220, -28.6541, -2.7380
Hunter-Lab	61.6559, -17.4361, 25.5989

Details

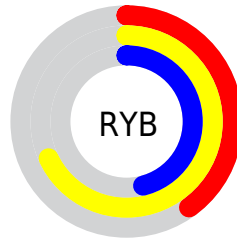
The XYZ color **31.2465, 38.0145, 18.2610** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.7667, 16.3723, 41.6556**, and the grayscale version is **33.5944, 35.3440, 38.4896**.

A 20% lighter version of the original color is **61.0167, 71.9660, 41.2468**, and **13.1889, 16.8748, 5.9302** is the 20% darker color. If you saturate the color by 10%, you get **29.7282, 37.3220, 14.1693**, and if you desaturate by 10%, it is **32.9701, 38.7946, 23.2985**.

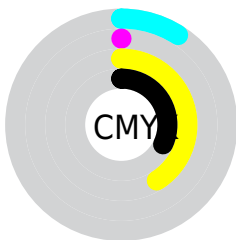
Distribution



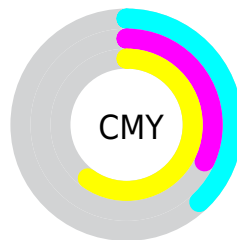
- Red (62%)
- Green (68%)
- Blue (40%)



- Red (40%)
- Yellow (68%)
- Blue (46%)



- Cyan (9%)
- Magenta (0%)
- Yellow (41%)
- Black (32%)



- Cyan (38%)
- Magenta (32%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2465, 38.0145, 18.2610 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 31.2465, 38.0145, 18.2610 by changing the saturation by 10% instead.

■ 31.2465, 38.0145,
18.2610

■ 31.2465, 38.0145,
18.2610

299.4790,
337.6822, 254.6234

■ 20.9394, 25.9939,
10.9662

■ 61.0012, 72.1304,
41.3015

■ 13.1919, 16.8191,
5.9302

■ 81.1794, 94.9945,
57.8842

■ 7.6387, 10.1056,
2.7346

■ 105.3787,
122.2419, 78.4000

■ 3.9145, 5.4690,
0.9608

■ 133.9645,
154.2569, 103.2673

■ 1.6539, 2.5250,
0.0000

167.3020,
191.4241, 132.9048

■ 0.4271, 0.8891,
0.0000

205.7567,

■ 0.0000, 0.0000,

234.1278, 167.7310

0.0000

249.6939,
282.7523, 208.1643

■ 31.2465, 38.0145,
18.2610

■ 31.2465, 38.0145,
18.2610

■ 29.7282, 37.3220,
14.1693

■ 32.9701, 38.7946,
23.2985

■ 28.4008, 36.7073,
10.9618

■ 34.9066, 39.6613,
29.3334

■ 27.2526, 36.1671,
8.5736

■ 37.0667, 40.6203,
36.4164

■ 26.2692, 35.6955,
6.9296

■ 39.4593, 41.6753,
44.5943

■ 25.4334, 35.2856,
5.9412

■ 42.0931, 42.8296,
53.9107

■ 24.7774, 34.9578,
5.4416

■ 44.9762, 44.0865,
64.4070

■ 48.1161, 45.4491,
76.1227

■ 51.5202, 46.9204,
89.0951

■ 54.7568, 48.3276,
101.0499

Harmonies

Analogous

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



36.8750, 38.0145, 16.3794



31.2465, 38.0145, 18.2610



27.3464, 38.0145, 25.6297

Triad

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



31.2465, 38.0145, 18.2610



30.1000, 38.0145, 75.4752



48.9265, 38.0145, 43.5421

Complementary

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



31.2465, 38.0145, 18.2610



19.7667, 16.3723, 41.6556

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.



46.6218, 38.0145, 62.5680



31.2465, 38.0145, 18.2610



35.3983, 38.0145, 83.9529

Square

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



31.2465, 38.0145, 18.2610



26.7377, 38.0145, 57.8668



41.5011, 38.0145, 78.6756



47.5024, 38.0145, 28.3836

Rectangle

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



31.2465, 38.0145, 18.2610



26.0309, 38.0145, 34.0583



41.5011, 38.0145, 78.6756



48.5562, 38.0145, 49.7079

Sweetspot

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



31.2474, 38.0162, 18.2618



65.9079, 72.5359, 63.6344



26.0392, 22.6567, 15.5716



14.2152, 15.7158, 13.4697



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.2474, 38.0162, 18.2618



53.5430, 66.9782, 26.1585



25.3856, 34.9943, 17.9875



8.4835, 9.2378, 8.5493



18.2526, 25.7067, 3.9999



0.5507, 0.7373, 0.1133

Inverse Universe

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



19.7667, 16.3723, 41.6556



30.2619, 23.0472, 73.6593



25.4103, 19.2817, 41.9197



7.7415, 7.8411, 10.0581



6.1981, 2.5551, 29.2110



0.2189, 0.0950, 0.8148

Previews

White Background



This preview shows how the XYZ color 31.2465, 38.0145, 18.2610 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 31.2465, 38.0145, 18.2610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

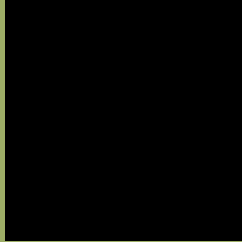
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2465, 38.0145, 18.2610

Background



This preview shows how black text looks on a background with the XYZ color 31.2465, 38.0145, 18.2610.



This preview shows how white text looks on a background with the XYZ color 31.2465, 38.0145,

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

31.2465, 38.0145, 18.2610

Protanopia

34.9444, 37.9970, 17.2968

Deuteranopia

38.5961, 37.7530, 18.6174



Tritanopia

36.9372, 37.8322, 46.9505

Trichromacy



Original Color

31.2465, 38.0145, 18.2610

Protanomaly

33.5015, 38.0667, 17.6385

Deuteranomaly

35.3630, 37.3842, 18.4487

Tritanomaly

34.4280, 37.6260, 34.3022

Monochromacy



Original Color

31.2465, 38.0145, 18.2610

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4134, 36.1453, 29.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2465, 38.0145, 18.2610 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(157, 173, 102)` looks like.

```
.text, #text, p{  
    color:rgb(157, 173, 102)  
}
```

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(157, 173, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 173, 102) }
```

Border

The CSS property to change the border of an element to XYZ 31.2465, 38.0145, 18.2610 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(157, 173, 102) }
```


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

```
.border{ border-color:rgb(157, 173, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 173, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 173, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 173, 102);  
box-shadow:4px 4px 4px 4px rgb(157, 173,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2465, 38.0145, 18.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 173, 102) }
```

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

```
.background{ background-color: rgb(157,  
173, 102) }
```

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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