

Converting Colors

XYZ(31.1026, 38.0516, 21.0968)

Have a look what the booklet for
XYZ(31.1026, 38.0516, 21.0968)
contains.

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Color

**XYZ(31.1976, 38.2143,
21.0610)**

Conversions

Conversions Part 1

Format	Color
Hex	99AE70
RGB	153, 174, 112
RGB Percent	60%, 68%, 44%
CMY	0.4000, 0.3176, 0.5608
CMYK	0.12, 0.00, 0.36, 0.32
HSL	80°, 28%, 56%
HSV	80°, 36%, 68%
XYZ	31.1976, 38.2143, 21.0610
YIQ	160.6530, 7.3860, -23.7340

Conversions

Conversions Part 2

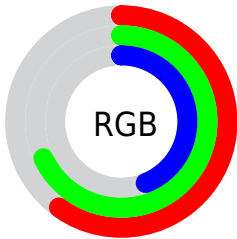
Format	Color
RYB	112, 174, 133
Decimal	10071664
CIELab	68.18, -17.93, 29.47
CIELCh	68, 34.498, 121.323
Yxy	38.2143, 0.3448, 0.4224
Android (android.graphics.Color)	4288261744 (0xFF99AE70)
YUV	160.6530, -23.9859, -6.7117
Hunter-Lab	61.8177, -18.0973, 23.0726

Details

The XYZ color **31.1976, 38.2143, 21.0610** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.1085, 19.6319, 42.6179**, and the grayscale version is **33.8214, 35.5828, 38.7497**.

A 20% lighter version of the original color is **61.0101, 72.6839, 45.9358**, and **13.2236, 17.0447, 7.2956** is the 20% darker color. If you saturate the color by 10%, you get **29.2360, 37.3056, 16.3915**, and if you desaturate by 10%, it is **33.4034, 39.2296, 26.7208**.

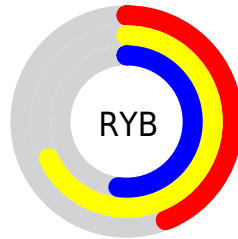
Distribution



Red (60%)

Green (68%)

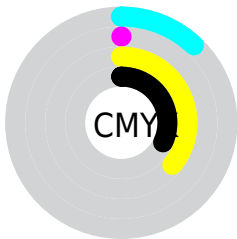
Blue (44%)



Red (44%)

Yellow (68%)

Blue (52%)

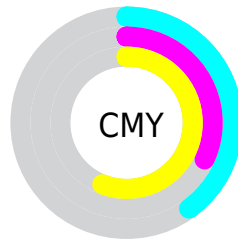


Cyan (12%)

Magenta (0%)

Yellow (36%)

Black (32%)



Cyan (40%)

Magenta (32%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1976, 38.2143, 21.0610 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 31.1976, 38.2143, 21.0610 by changing the saturation by 10% instead.

31.1976, 38.2143,
21.0610

31.1976, 38.2143,
21.0610

299.2583,
338.5384, 270.3942

20.9019, 26.1491,
12.9769

60.9248, 72.4365,
46.0711

13.1644, 16.9352,
7.2821

81.0870, 95.3622,
63.8343

7.6196, 10.1883,
3.5580

105.2687,
122.6769, 85.6609

3.9023, 5.5240,
1.3862

133.8354,
154.7649, 111.9694

1.6470, 2.5579,
0.1309

167.1523,
192.0107, 143.1785

0.4227, 0.9055,
0.0000

205.5849,

0.0000, 0.0000,

234.7986, 179.7066

0.0000

249.4984,
283.5130, 221.9723

■ 31.1976, 38.2143,
21.0610

■ 31.1976, 38.2143,
21.0610

■ 29.2360, 37.3056,
16.3915

■ 33.4034, 39.2296,
26.7208

■ 27.5040, 36.4937,
12.6528

■ 35.8611, 40.3509,
33.4210

■ 25.9900, 35.7751,
9.7828

■ 38.5819, 41.5839,
41.2112

■ 24.6796, 35.1441,
7.7109

■ 41.5750, 42.9325,
50.1369

■ 23.5565, 34.5939,
6.3554

■ 44.8494, 44.4002,
60.2414

■ 22.6000, 34.1163,
5.6122

■ 48.4136, 45.9907,
71.5655

■ 22.2149, 33.9226,
5.3769

■ 52.2756, 47.7071,
84.1480

■ 56.4431, 49.5526,
98.0261

■ 58.6546, 50.6229,
101.2875

Harmonies

Analogous

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



36.0829, 38.2143, 18.4367



31.1976, 38.2143, 21.0610



27.9694, 38.2143, 28.9330

Triad

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



31.1976, 38.2143, 21.0610



31.5734, 38.2143, 73.4456



47.6945, 38.2143, 40.9277

Complementary

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



31.1976, 38.2143, 21.0610



23.1085, 19.6319, 42.6179

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.



46.1901, 38.2143, 57.5328



31.1976, 38.2143, 21.0610



36.5612, 38.2143, 78.8785

Square

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



31.1976, 38.2143, 21.0610



28.1708, 38.2143, 59.0177



41.9779, 38.2143, 72.4498



45.9099, 38.2143, 28.0119

Rectangle

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



31.1976, 38.2143, 21.0610



27.0125, 38.2143, 37.2911



41.9779, 38.2143, 72.4498



47.5558, 38.2143, 46.2477

Sweetspot

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



31.1986, 38.2160, 21.0618



67.1755, 74.1560, 66.6411



28.7235, 26.8537, 18.9991



14.7871, 16.4170, 14.4036



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.



31.1986, 38.2160, 21.0618



53.6622, 67.9604, 31.1845



26.1352, 35.6057, 20.8249



8.3952, 9.1923, 8.5452



16.1769, 24.6366, 3.9027



0.5053, 0.7138, 0.1112

Inverse Universe

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



23.1085, 19.6319, 42.6179



36.7420, 29.0647, 76.3104



28.6767, 22.5024, 42.8785



7.8251, 7.8841, 10.0621



6.9049, 2.9195, 29.2441



0.2515, 0.1118, 0.8163

Previews

White Background



This preview shows how the XYZ color 31.1976, 38.2143, 21.0610 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 31.1976, 38.2143, 21.0610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

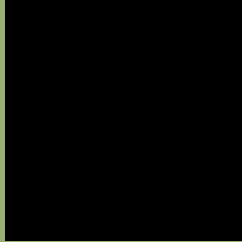
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1976, 38.2143, 21.0610

Background



This preview shows how black text looks on a background with the XYZ color 31.1976, 38.2143, 21.0610.



This preview shows how white text looks on a background with the XYZ color 31.1976, 38.2143,

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

31.1976, 38.2143, 21.0610

Protanopia

35.2189, 38.0799, 19.9619

Deuteranopia

38.7814, 38.0398, 21.5181



Tritanopia

36.6732, 38.2085, 48.0899

Trichromacy



Original Color

31.1976, 38.2143, 21.0610

Protanomaly

33.5800, 38.0478, 20.3259

Deuteranomaly

35.6041, 37.7109, 21.3220

Tritanomaly

34.4024, 38.1134, 36.5538

Monochromacy



Original Color

31.1976, 38.2143, 21.0610

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.6947, 36.5247, 31.3134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1976, 38.2143, 21.0610 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(153, 174, 112)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 112)  
}
```

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(153, 174, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 112) }
```

Border

The CSS property to change the border of an element to XYZ 31.1976, 38.2143, 21.0610 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(153, 174, 112) }
```


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

```
.border{ border-color:rgb(153, 174, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 174, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 112);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1976, 38.2143, 21.0610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 112) }
```

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

```
.background{ background-color: rgb(153,  
174, 112) }
```

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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