

Converting Colors

XYZ(31.3079, 40.6802, 17.6611)

Have a look what the booklet for
XYZ(31.3079, 40.6802, 17.6611)
contains.

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Color

**XYZ(31.3270, 40.7273,
17.7653)**

Conversions

Conversions Part 1

Format	Color
Hex	95B662
RGB	149, 182, 98
RGB Percent	58%, 71%, 38%
CMY	0.4157, 0.2863, 0.6157
CMYK	0.18, 0.00, 0.46, 0.29
HSL	84°, 37%, 55%
HSV	84°, 46%, 71%
XYZ	31.3270, 40.7273, 17.7653
YIQ	162.5570, 7.2960, -33.1200

Conversions

Conversions Part 2

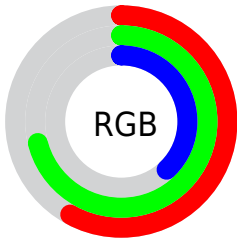
Format	Color
RYB	98, 182, 131
Decimal	9811554
CIELab	69.98, -25.24, 38.96
CIElCh	70, 46.425, 122.938
Yxy	40.7273, 0.3488, 0.4534
Android (android.graphics.Color)	4288001634 (0xFF95B662)
YUV	162.5570, -31.8266, -11.8895
Hunter-Lab	63.8179, -24.0592, 28.1677

Details

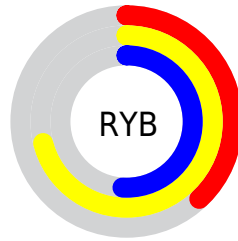
The XYZ color **31.3270, 40.7273, 17.7653** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **22.1729, 16.9392, 46.3592**, and the grayscale version is **34.7476, 36.5572, 39.8108**.

A 20% lighter version of the original color is **60.9814, 76.1884, 40.3459**, and **13.2076, 18.4007, 5.6519** is the 20% darker color. If you saturate the color by 10%, you get **29.2990, 39.7714, 13.6835**, and if you desaturate by 10%, it is **33.6326, 41.8063, 22.8817**.

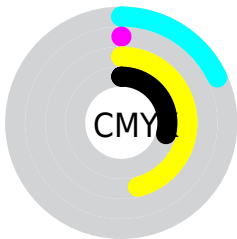
Distribution



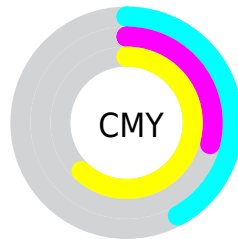
- Red (58%)
- Green (71%)
- Blue (38%)



- Red (38%)
- Yellow (71%)
- Blue (51%)



- Cyan (18%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)



- Cyan (42%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3270, 40.7273, 17.7653 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 31.3270, 40.7273, 17.7653 by changing the saturation by 10% instead.

31.3270, 40.7273,
17.7653

31.3270, 40.7273,
17.7653

299.8420,
349.1796, 251.7363

21.0010, 28.1061,
10.6139

61.1269, 76.2698,
40.4455

13.2372, 18.4056,
5.6970

81.3315, 99.9598,
56.8114

7.6702, 11.2416,
2.5959

105.5597,
128.1081, 77.0860

3.9347, 6.2296,
0.8903

134.1769,
161.0993, 101.6876

1.6652, 2.9852,
0.0000

167.5483,
199.3176, 131.0349

0.4344, 1.1240,
0.0000

206.0394,

0.0000, 0.0000,

243.1475, 165.5465

0.0000

250.0155,
292.9734, 205.6408

■ 31.3270, 40.7273,
17.7653

■ 31.3270, 40.7273,
17.7653

■ 29.2990, 39.7714,
13.6835

■ 33.6326, 41.8063,
22.8817

■ 27.5306, 38.9270,
10.5629

■ 36.2262, 43.0086,
29.0941

■ 26.0064, 38.1892,
8.3248

■ 39.1215, 44.3411,
36.4623

■ 24.7073, 37.5502,
6.8768

■ 42.3301, 45.8086,
45.0411

■ 23.6089, 37.0000,
6.0984

■ 45.8630, 47.4157,
54.8815

■ 23.2211, 36.8045,
5.8801

■ 49.7306, 49.1668,
66.0319

■ 53.9429, 51.0658,
78.5379

■ 58.5093, 53.1168,
92.4431

■ 62.3233, 54.8774,
101.9153

Harmonies

Analogous

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



37.9692, 40.7273, 14.3948



31.3270, 40.7273, 17.7653



27.1473, 40.7273, 27.9637

Triad

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



31.3270, 40.7273, 17.7653



32.4621, 40.7273, 92.7522



55.1308, 40.7273, 42.2436

Complementary

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



31.3270, 40.7273, 17.7653



22.1729, 16.9392, 46.3592

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.



53.1629, 40.7273, 66.1270



31.3270, 40.7273, 17.7653



39.4606, 40.7273, 100.3193

Square

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



31.3270, 40.7273, 17.7653



27.7402, 40.7273, 71.0735



47.1706, 40.7273, 89.3031



52.2469, 40.7273, 25.3309

Rectangle

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



31.3270, 40.7273, 17.7653



25.9940, 40.7273, 39.4181



47.1706, 40.7273, 89.3031



55.0154, 40.7273, 49.6664

Sweetspot

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



31.3280, 40.7291, 17.7662



71.9938, 80.8766, 68.9109



29.5068, 26.8468, 15.1826



15.6358, 17.7414, 14.5243



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.3280, 40.7291, 17.7662



53.1929, 72.1379, 24.9526



25.0939, 37.5153, 17.4744



9.3994, 10.3225, 9.6039



16.4739, 26.0289, 4.1558



0.6481, 0.9523, 0.1497

Inverse Universe

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



22.1729, 16.9392, 46.3592



34.6297, 23.8452, 83.0131



29.8699, 20.9071, 46.7194



8.8460, 8.8870, 11.3286



7.8942, 3.3808, 31.4896



0.3485, 0.1554, 1.1134

Previews

White Background



This preview shows how the XYZ color 31.3270, 40.7273, 17.7653 looks on a white background.

Color Contrast Check

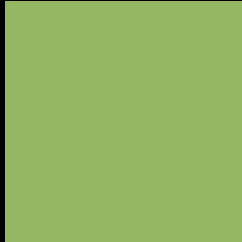
Large Text (above 18pt) WCAG AA × Fail

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 31.3270, 40.7273, 17.7653 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 31.3270, 40.7273, 17.7653

Background



This preview shows how black text looks on a background with the XYZ color 31.3270, 40.7273, 17.7653.



This preview shows how white text looks on a background with the XYZ color 31.3270, 40.7273,

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

31.3270, 40.7273, 17.7653

Protanopia

37.3223, 40.6253, 16.4641

Deuteranopia

41.2775, 40.4391, 18.4619



Tritanopia

38.3134, 40.6273, 52.2769

Trichromacy



Original Color

31.3270, 40.7273, 17.7653

Protanomaly

34.8511, 40.4848, 16.8040

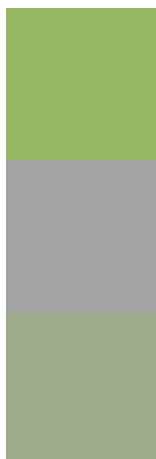
Deuteranomaly

36.9734, 40.1281, 18.1087

Tritanomaly

35.2627, 40.5519, 36.5406

Monochromacy



Original Color

31.3270, 40.7273, 17.7653

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.1355, 37.8826, 29.9918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3270, 40.7273, 17.7653 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(149, 182, 98)` looks like.

```
.text, #text, p{  
    color:rgb(149, 182, 98)  
}
```

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(149, 182, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 182, 98) }
```

Border

The CSS property to change the border of an element to XYZ 31.3270, 40.7273, 17.7653 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(149, 182, 98) }
```


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

```
.border{ border-color:rgb(149, 182, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 182, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 182, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 182, 98);  
box-shadow:4px 4px 4px 4px rgb(149, 182,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3270, 40.7273, 17.7653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 182, 98) }
```

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

```
.background{ background-color: rgb(149,  
182, 98) }
```

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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