

Converting Colors

XYZ(30.1770, 44.7900, 40.9534)

Have a look what the booklet for
XYZ(30.1770, 44.7900, 40.9534)
contains.

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Color

**XYZ(30.1068, 44.7552,
40.7700)**

Conversions

Conversions Part 1

Format	Color
Hex	52C6A1
RGB	82, 198, 161
RGB Percent	32%, 78%, 63%
CMY	0.6784, 0.2235, 0.3686
CMYK	0.59, 0.00, 0.19, 0.22
HSL	161°, 50%, 55%
HSV	161°, 59%, 78%
XYZ	30.1068, 44.7552, 40.7700
YIQ	159.0980, -57.2590, -36.0990

Conversions

Conversions Part 2

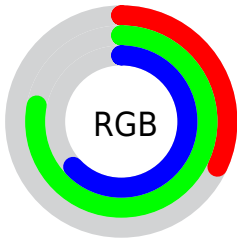
Format	Color
RYB	82, 151, 198
Decimal	5424801
CIELab	72.73, -41.62, 8.83
CIELCh	73, 42.549, 168.022
Yxy	44.7552, 0.2604, 0.3870
Android (android.graphics.Color)	4283614881 (0xFF52C6A1)
YUV	159.0980, 0.9377, -67.6149
Hunter-Lab	66.8993, -36.7432, 10.6968

Details

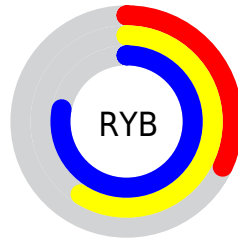
The XYZ color **30.1068, 44.7552, 40.7700** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **29.6373, 19.3735, 19.6320**, and the grayscale version is **33.0152, 34.7346, 37.8260**.

A 20% lighter version of the original color is **59.1392, 82.1406, 77.7035**, and **12.5828, 20.7490, 17.8098** is the 20% darker color. If you saturate the color by 10%, you get **28.0843, 43.7764, 37.8416**, and if you desaturate by 10%, it is **32.6566, 46.0048, 43.8719**.

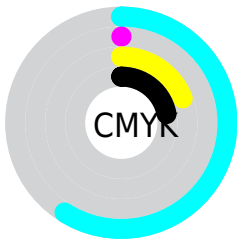
Distribution



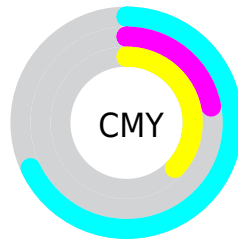
- Red (32%)
- Green (78%)
- Blue (63%)



- Red (32%)
- Yellow (59%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)



- Cyan (68%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1068, 44.7552, 40.7700 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 30.1068, 44.7552, 40.7700 by changing the saturation by 10% instead.

■ 30.1068, 44.7552,
40.7700

■ 30.1068, 44.7552,
40.7700

294.3029,
365.7812, 365.0065

■ 20.0681, 31.2647,
27.8211

■ 59.2165, 82.3529,
77.5845

■ 12.5531, 20.8005,
17.9530

■ 79.0183, 107.2289,
102.2871

■ 7.1964, 12.9782,
10.7471

■ 102.8051,
136.6688, 131.7448

■ 3.6327, 7.4136,
5.7850

■ 130.9424,
171.0571, 166.3759

■ 1.4965, 3.7221,
2.6481

163.7954,
210.7780, 206.5991

■ 0.3234, 1.5193,
0.9172

201.7296,

■ 0.0000, 0.3023,

256.2161, 252.8329

0.0000

245.1103,
307.7557, 305.4959

■ 0.0000, 0.0000,
0.0000

■ 30.1068, 44.7552,
40.7700

■ 30.1068, 44.7552,
40.7700

■ 28.0843, 43.7764,
37.8416

■ 32.6566, 46.0048,
43.8719

■ 26.5409, 43.0403,
35.0794

■ 35.7693, 47.5402,
47.1483

■ 25.4257, 42.5218,
32.4798

■ 39.4814, 49.3812,
50.6037

■ 24.6552, 42.1779,
30.0366

■ 43.8254, 51.5446,
54.2417

■ 24.5570, 42.1346,
29.7025

■ 48.8312, 54.0457,
58.0658

■ 54.5270, 56.8991,
62.0791

■ 60.9392, 60.1182,
66.2848

■ 68.0926, 63.7160,
70.6860

■ 74.0695, 66.7035,
75.1947

Harmonies

Analogous

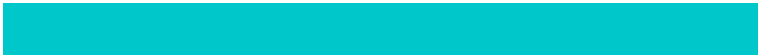
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.8329, 44.7552, 26.2807



30.1068, 44.7552, 40.7700



30.4155, 44.7552, 62.4238

Triad

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



30.1068, 44.7552, 40.7700



47.0838, 44.7552, 98.5242



52.7585, 44.7552, 24.3229

Complementary

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



30.1068, 44.7552, 40.7700



29.6373, 19.3735, 19.6320

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.



57.5180, 44.7552, 37.2027



30.1068, 44.7552, 40.7700



53.9898, 44.7552, 81.2991

Square

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



30.1068, 44.7552, 40.7700



39.6595, 44.7552, 100.3090



57.9931, 44.7552, 57.6658



45.5535, 44.7552, 18.7960

Rectangle

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



30.1068, 44.7552, 40.7700



32.3057, 44.7552, 78.3118



57.9931, 44.7552, 57.6658



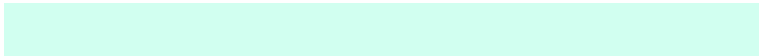
54.7317, 44.7552, 27.7312

Sweetspot

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



30.1080, 44.7570, 40.7710



77.8643, 91.4025, 96.2563



29.5570, 45.0401, 15.1193



16.1520, 19.3075, 20.1876



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.



30.1080, 44.7570, 40.7710



48.9805, 77.1571, 65.7746



29.7275, 37.9795, 59.1921



10.7972, 12.0078, 12.8821



16.0098, 27.4163, 19.5280



0.7900, 1.3109, 1.0927

Inverse Universe

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



29.6373, 19.3735, 19.6320



48.1230, 28.2037, 25.2569



29.4992, 21.9885, 10.6729



10.7710, 10.6918, 11.7772



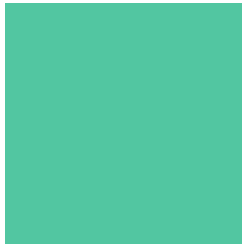
15.7664, 8.0561, 3.9797



0.7798, 0.3948, 0.3636

Previews

White Background



This preview shows how the XYZ color 30.1068, 44.7552, 40.7700 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 30.1068, 44.7552, 40.7700 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

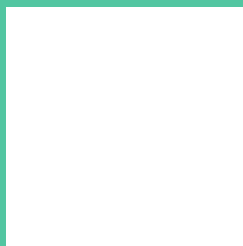
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1068, 44.7552, 40.7700

Background



This preview shows how black text looks on a background with the XYZ color 30.1068, 44.7552, 40.7700.

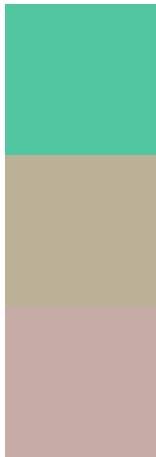


This preview shows how white text looks on a background with the XYZ color 30.1068, 44.7552,

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

30.1068, 44.7552, 40.7700

Protanopia

41.4769, 44.0854, 35.1774

Deuteranopia

44.8267, 43.9216, 42.6743



Tritanopia

35.1491, 44.8009, 65.8264

Trichromacy



Original Color

30.1068, 44.7552, 40.7700



Protanomaly

35.3944, 43.3269, 37.0693



Deuteranomaly

37.0257, 42.8323, 41.9133



Tritanomaly

32.9997, 44.5766, 55.5801

Monochromacy



Original Color

30.1068, 44.7552, 40.7700



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.6488, 37.2505, 38.8324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1068, 44.7552, 40.7700 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(82, 198, 161)` looks like.

```
.text, #text, p{  
    color:rgb(82, 198, 161)  
}
```

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(82, 198, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 198, 161) }
```

Border

The CSS property to change the border of an element to XYZ 30.1068, 44.7552, 40.7700 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(82, 198, 161) }
```


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

```
.border{ border-color:rgb(82, 198, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 198, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 198, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 198, 161);  
box-shadow:4px 4px 4px 4px rgb(82, 198,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1068, 44.7552, 40.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 198, 161) }
```

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

```
.background{ background-color: rgb(82, 198,  
161) }
```

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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