

Converting Colors

XYZ(29.8399, 41.9168, 37.1318)

Have a look what the booklet for
XYZ(29.8399, 41.9168, 37.1318)
contains.

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Color

**XYZ(29.9551, 42.1031,
37.1198)**

Conversions

Conversions Part 1

Format	Color
Hex	68BE9A
RGB	104, 190, 154
RGB Percent	41%, 75%, 60%
CMY	0.5921, 0.2549, 0.3961
CMYK	0.45, 0.00, 0.19, 0.25
HSL	155°, 40%, 58%
HSV	155°, 45%, 75%
XYZ	29.9551, 42.1031, 37.1198
YIQ	160.1820, -39.7000, -29.4280

Conversions

Conversions Part 2

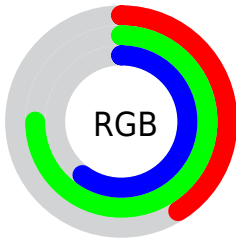
Format	Color
RYB	104, 158, 190
Decimal	6864538
CIELab	70.94, -34.49, 10.18
CIElCh	71, 35.960, 163.548
Yxy	42.1031, 0.2744, 0.3856
Android (android.graphics.Color)	4285054618 (0xFF68BE9A)
YUV	160.1820, -3.0477, -49.2716
Hunter-Lab	64.8869, -31.1474, 11.5028

Details

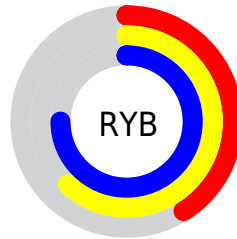
The XYZ color **29.9551, 42.1031, 37.1198** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **30.9205, 22.7422, 27.5724**, and the grayscale version is **33.5252, 35.2711, 38.4103**.

A 20% lighter version of the original color is **58.9440, 78.4465, 71.7095**, and **12.4713, 19.2160, 15.8837** is the 20% darker color. If you saturate the color by 10%, you get **27.3527, 40.8367, 33.6542**, and if you desaturate by 10%, it is **33.1006, 43.6467, 40.8418**.

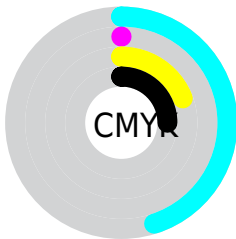
Distribution



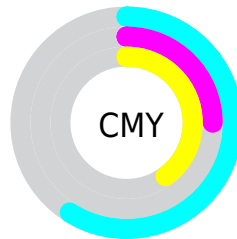
- Red (41%)
- Green (75%)
- Blue (60%)



- Red (41%)
- Yellow (62%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (19%)
- Black (25%)



- Cyan (59%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9551, 42.1031, 37.1198 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 29.9551, 42.1031, 37.1198 by changing the saturation by 10% instead.

■ 29.9551, 42.1031,
37.1198

■ 29.9551, 42.1031,
37.1198

293.6087,
354.9101, 349.0132

■ 19.9524, 29.1820,
25.0037

■ 58.9783, 78.3556,
71.9454

■ 12.4685, 19.2186,
15.8608

■ 78.7295, 102.4559,
95.4920

■ 7.1381, 11.8283,
9.2724

■ 102.4609,
131.0513, 123.6859

■ 3.5957, 6.6269,
4.8201

■ 130.5379,
164.5264, 156.9456

■ 1.4760, 3.2299,
2.0852

163.3258,
203.2654, 195.6896

■ 0.3095, 1.2529,
0.6069

201.1900,

■ 0.0000, 0.1043,

247.6527, 240.3365

0.0000

244.4959,
298.0729, 291.3049

■ 0.0000, 0.0000,
0.0000

■ 29.9551, 42.1031,
37.1198

■ 29.9551, 42.1031,
37.1198

■ 27.3527, 40.8367,
33.6542

■ 33.1006, 43.6467,
40.8418

■ 25.2553, 39.8245,
30.4362

■ 36.8172, 45.4784,
44.8231

■ 23.6252, 39.0483,
27.4603


■ 41.1349, 47.6147,
49.0701


■ 22.4175, 38.4851,
24.7197


■ 46.0809, 50.0696,
53.5883


■ 21.5774, 38.1068,
22.2071


■ 51.6803, 52.8559,
58.3827

 21.2541, 37.9644,
21.0925

 57.9570, 55.9858,
63.4583

 64.9337, 59.4709,
68.8200

 72.2611, 63.1312,
74.4551

 73.3251, 63.5568,
80.0577

Harmonies

Analogous

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



32.5941, 42.1031, 25.8474



29.9551, 42.1031, 37.1198



29.8307, 42.1031, 54.0142

Triad

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



29.9551, 42.1031, 37.1198



42.7775, 42.1031, 85.9787



48.9615, 42.1031, 26.6627

Complementary

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



29.9551, 42.1031, 37.1198



30.9205, 22.7422, 27.5724

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.



52.2942, 42.1031, 38.5407



29.9551, 42.1031, 37.1198



48.4907, 42.1031, 74.1543

Square

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



29.9551, 42.1031, 37.1198



36.8430, 42.1031, 85.3222



52.1138, 42.1031, 55.8361



43.3698, 42.1031, 20.9233

Rectangle

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



29.9551, 42.1031, 37.1198



31.1642, 42.1031, 66.5995



52.1138, 42.1031, 55.8361



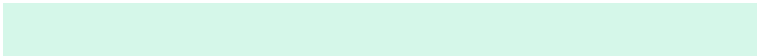
50.4069, 42.1031, 29.9209

Sweetspot

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



29.9563, 42.1048, 37.1208



75.4147, 86.7151, 89.7441



31.9434, 43.5144, 19.8127



16.1582, 18.8425, 19.3260



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.9563, 42.1048, 37.1208



49.7309, 74.0793, 61.2195



32.2005, 41.0544, 54.9444



9.6351, 10.7401, 11.3277



14.1720, 25.2591, 14.2346



0.5871, 1.0022, 0.7258

Inverse Universe

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



30.9205, 22.7422, 27.5724



51.7009, 34.7139, 41.8549



29.2823, 23.0420, 16.0014



9.6914, 9.6008, 10.7638



15.1090, 7.6748, 5.8677



0.6245, 0.3137, 0.4020

Previews

White Background



This preview shows how the XYZ color 29.9551, 42.1031, 37.1198 looks on a white background.

Color Contrast Check

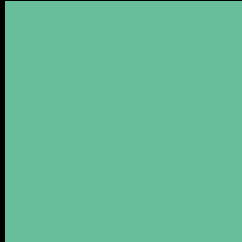
Large Text (above 18pt) WCAG AA × Fail

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 29.9551, 42.1031, 37.1198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

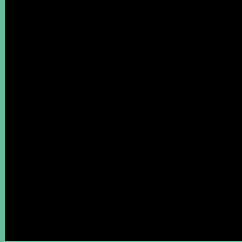
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9551, 42.1031, 37.1198

Background



This preview shows how black text looks on a background with the XYZ color 29.9551, 42.1031, 37.1198.

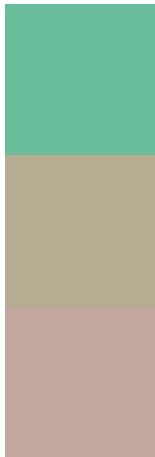


This preview shows how white text looks on a background with the XYZ color 29.9551, 42.1031,

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

29.9551, 42.1031, 37.1198

Protanopia

39.1548, 41.4945, 32.7336

Deuteranopia

42.3249, 41.6100, 38.6017



Tritanopia

34.6518, 42.1175, 60.3360

Trichromacy



Original Color

29.9551, 42.1031, 37.1198



Protanomaly

34.7918, 41.2483, 34.1450



Deuteranomaly

36.1137, 40.6713, 37.8452



Tritanomaly

32.7882, 41.9815, 51.1749

Monochromacy



Original Color

29.9551, 42.1031, 37.1198



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.5497, 37.1699, 37.8594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9551, 42.1031, 37.1198 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(104, 190, 154)` looks like.

```
.text, #text, p{  
    color:rgb(104, 190, 154)  
}
```

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(104, 190, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 190, 154) }
```

Border

The CSS property to change the border of an element to XYZ 29.9551, 42.1031, 37.1198 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(104, 190, 154) }
```


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

```
.border{ border-color:rgb(104, 190, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 190, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 190, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 190, 154);  
box-shadow:4px 4px 4px 4px rgb(104, 190,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9551, 42.1031, 37.1198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 190, 154) }
```

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

```
.background{ background-color: rgb(104,  
190, 154) }
```

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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