

Converting Colors

XYZ(31.0159, 42.8618, 42.2358)

Have a look what the booklet for
XYZ(31.0159, 42.8618, 42.2358)
contains.

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Color

**XYZ(31.0159, 42.8618,
42.2358)**

Conversions

Conversions Part 1

Format	Color
Hex	67BFA5
RGB	103, 191, 165
RGB Percent	40%, 75%, 65%
CMY	0.5961, 0.2510, 0.3529
CMYK	0.46, 0.00, 0.14, 0.25
HSL	162°, 41%, 58%
HSV	162°, 46%, 75%
XYZ	31.0159, 42.8618, 42.2358
YIQ	161.7240, -44.1020, -26.7420

Conversions

Conversions Part 2

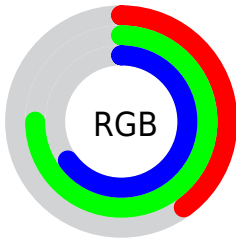
Format	Color
RYB	103, 155, 191
Decimal	6799269
CIELab	71.46, -32.75, 4.93
CIElCh	71, 33.124, 171.432
Yxy	42.8618, 0.2671, 0.3691
Android (android.graphics.Color)	4284989349 (0xFF67BFA5)
YUV	161.7240, 1.6151, -51.5009
Hunter-Lab	65.4689, -30.0062, 7.5786

Details

The XYZ color **31.0159, 42.8618, 42.2358** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.3001, 22.3630, 23.4901**, and the grayscale version is **34.2221, 36.0043, 39.2086**.

A 20% lighter version of the original color is **60.7837, 79.6730, 79.8849**, and **13.0530, 19.6644, 18.7304** is the 20% darker color. If you saturate the color by 10%, you get **28.5681, 41.6591, 39.4993**, and if you desaturate by 10%, it is **33.9892, 44.3350, 45.1171**.

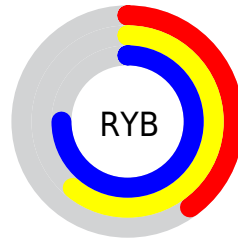
Distribution



Red (40%)

Green (75%)

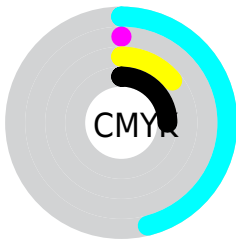
Blue (65%)



Red (40%)

Yellow (61%)

Blue (75%)

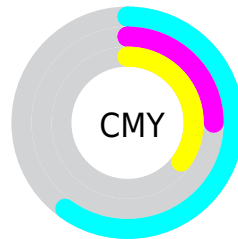


Cyan (46%)

Magenta (0%)

Yellow (14%)

Black (25%)



Cyan (60%)

Magenta (25%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0159, 42.8618, 42.2358 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 31.0159, 42.8618, 42.2358 by changing the saturation by 10% instead.

■ 31.0159, 42.8618,
42.2358

■ 31.0159, 42.8618,
42.2358

298.4371,
358.0431, 371.2879

■ 20.7628, 29.7767,
28.9590

■ 60.6408, 79.5023,
79.8303

■ 13.0622, 19.6692,
18.8045

■ 80.7433, 103.8264,
104.9851

■ 7.5487, 12.1548,
11.3537

■ 104.8597,
132.6657, 134.9364

■ 3.8569, 6.8492,
6.1881

■ 133.3553,
166.4046, 170.1026

■ 1.6215, 3.3680,
2.8892

166.5955,
205.4273, 210.9023

■ 0.4064, 1.3267,
1.0383

204.9456,

■ 0.0000, 0.1617,

250.1184, 257.7541

0.0000

248.7711,
300.8622, 311.0765

■ 0.0000, 0.0000,
0.0000

■ 31.0159, 42.8618,
42.2358

■ 31.0159, 42.8618,
42.2358

■ 28.5681, 41.6591,
39.4993

■ 33.9892, 44.3350,
45.1171

■ 26.6074, 40.7038,
36.9015

■ 37.5158, 46.0897,
48.1432

■ 25.0958, 39.9774,
34.4400


■ 41.6262, 48.1427,
51.3180


■ 23.9877, 39.4566,
32.1112


■ 46.3471, 50.5077,
54.6440


■ 23.2253, 39.1114,
29.9107


■ 51.7037, 53.1977,
58.1239

 22.9743, 39.0002,
29.0790

 57.7200, 56.2249,
61.7601

 64.4184, 59.6010,
65.5551

 71.5232, 63.1838,
69.4974

 72.2397, 63.4703,
73.2701

Harmonies

Analogous

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



32.9062, 42.8618, 30.0014



31.0159, 42.8618, 42.2358



31.5380, 42.8618, 58.8333

Triad

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



31.0159, 42.8618, 42.2358



44.7901, 42.8618, 81.5500



47.8072, 42.8618, 26.5164

Complementary

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



31.0159, 42.8618, 42.2358



30.3001, 22.3630, 23.4901

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.



51.5748, 42.8618, 36.3092



31.0159, 42.8618, 42.2358



49.7252, 42.8618, 68.5886

Square

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



31.0159, 42.8618, 42.2358



39.1599, 42.8618, 84.1650



52.3071, 42.8618, 51.4025



42.3597, 42.8618, 22.3851

Rectangle

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



31.0159, 42.8618, 42.2358



33.2064, 42.8618, 70.1225



52.3071, 42.8618, 51.4025



49.3321, 42.8618, 29.1326

Sweetspot

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



31.0171, 42.8635, 42.2368



76.0309, 86.9616, 92.9892



30.1945, 42.9412, 19.5298



16.3126, 18.9043, 20.1393



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.



31.0171, 42.8635, 42.2368



51.2434, 74.6478, 70.8372



30.0193, 36.6876, 54.7914



9.6852, 10.7602, 11.5916



15.1344, 25.6441, 19.3026



0.6202, 1.0154, 0.9002

Inverse Universe

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



30.3001, 22.3630, 23.4901



49.8264, 33.5248, 33.3382



30.7243, 25.6346, 16.1614



9.6430, 9.5815, 10.5093



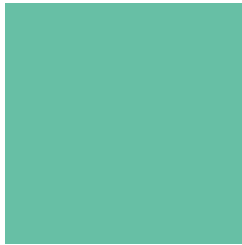
14.6276, 7.4822, 3.3325



0.6026, 0.3049, 0.2867

Previews

White Background



This preview shows how the XYZ color 31.0159, 42.8618, 42.2358 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 31.0159, 42.8618, 42.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

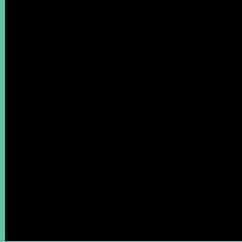
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0159, 42.8618, 42.2358

Background



This preview shows how black text looks on a background with the XYZ color 31.0159, 42.8618, 42.2358.



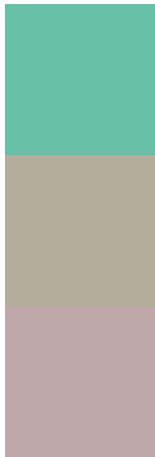
This preview shows how white text looks on a background with the XYZ color 31.0159, 42.8618,

42.2358.

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

31.0159, 42.8618, 42.2358

Protanopia

40.0004, 42.1112, 37.4725

Deuteranopia

42.9966, 42.1140, 43.8929



Tritanopia

34.9116, 42.8456, 61.6883

Trichromacy



Original Color

31.0159, 42.8618, 42.2358

Protanomaly

35.7161, 41.9180, 39.0094

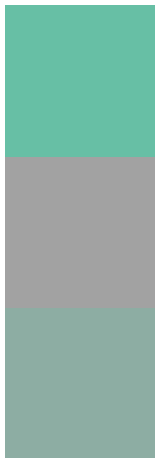
Deuteranomaly

37.0904, 41.3514, 43.0725

Tritanomaly

33.3670, 42.8485, 54.0889

Monochromacy



Original Color

31.0159, 42.8618, 42.2358

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.5389, 38.1942, 40.3076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0159, 42.8618, 42.2358 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(103, 191, 165)` looks like.

```
.text, #text, p{  
    color:rgb(103, 191, 165)  
}
```

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(103, 191, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 191, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.0159, 42.8618, 42.2358 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(103, 191, 165) }
```


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

```
.border{ border-color:rgb(103, 191, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 191, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 191, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 191, 165);  
box-shadow:4px 4px 4px 4px rgb(103, 191,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0159, 42.8618, 42.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 191, 165) }
```

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

```
.background{ background-color: rgb(103,  
191, 165) }
```

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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