

Converting Colors

XYZ(31.9522, 44.0826, 38.5792)

Have a look what the booklet for
XYZ(31.9522, 44.0826, 38.5792)
contains.

XYZ(31.9658, 44.0850, 38.7228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9658, 44.0850,
38.7228)**

Conversions

Conversions Part 1

Format	Color
Hex	71C19D
RGB	113, 193, 157
RGB Percent	44%, 76%, 62%
CMY	0.5569, 0.2431, 0.3843
CMYK	0.41, 0.00, 0.19, 0.24
HSL	153°, 39%, 60%
HSV	153°, 41%, 76%
XYZ	31.9658, 44.0850, 38.7228
YIQ	164.9760, -36.1240, -28.1560

Conversions

Conversions Part 2

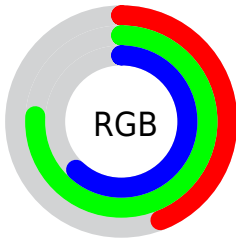
Format	Color
RYB	113, 165, 193
Decimal	7455133
CIELab	72.29, -32.83, 10.52
CIElCh	72, 34.472, 162.236
Yxy	44.0850, 0.2785, 0.3841
Android (android.graphics.Color)	4285645213 (0xFF71C19D)
YUV	164.9760, -3.9322, -45.5830
Hunter-Lab	66.3965, -30.2573, 11.8993

Details

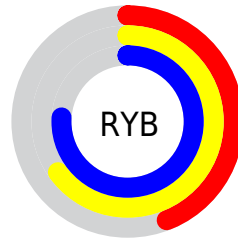
The XYZ color **31.9658, 44.0850, 38.7228** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.3237, 25.3186, 31.5660**, and the grayscale version is **35.7843, 37.6479, 40.9985**.

A 20% lighter version of the original color is **62.2177, 81.4495, 74.7295**, and **13.6378, 20.4357, 16.8614** is the 20% darker color. If you saturate the color by 10%, you get **29.0267, 42.6537, 34.8515**, and if you desaturate by 10%, it is **35.4881, 45.8132, 42.8985**.

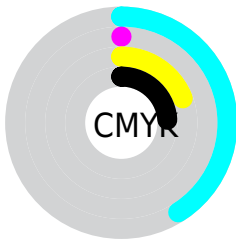
Distribution



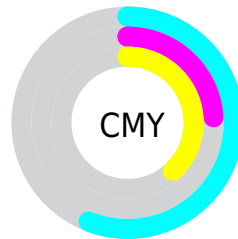
- Red (44%)
- Green (76%)
- Blue (62%)



- Red (44%)
- Yellow (65%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (24%)





- Cyan (56%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9658, 44.0850, 38.7228 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 31.9658, 44.0850, 38.7228 by changing the saturation by 10% instead.


 31.9658, 44.0850,
38.7228


 31.9658, 44.0850,
38.7228


302.7115,
363.0550, 356.1012


 21.4908, 30.7373,
26.2380


 62.1230, 81.3456,
74.4303

 13.5977, 20.3989,
16.7744


 82.5360, 106.0274,
98.4901

 7.9212, 12.6854,
9.9135


 106.9923,
135.2560, 127.2453

 4.0960, 7.2122,
5.2368

135.8573,
169.4158, 161.1144

 1.7566, 3.5952,
2.3257

169.4963,
208.8912, 200.5161

 0.4913, 1.4498,
0.7456

208.2748,

 0.0000, 0.2530,

254.0666, 245.8687

0.0000

252.5581,
305.3264, 297.5909

■ 0.0000, 0.0000,
0.0000

■ 31.9658, 44.0850,
38.7228

■ 31.9658, 44.0850,
38.7228

■ 29.0267, 42.6537,
34.8515

■ 35.4881, 45.8132,
42.8985

■ 26.6322, 41.4960,
31.2743

■ 39.6218, 47.8492,
47.3826

■ 24.7449, 40.5939,
27.9845


■ 44.3975, 50.2099,
52.1829


■ 23.3204, 39.9247,
24.9740


■ 49.8428, 52.9093,
57.3058


■ 22.3062, 39.4614,
22.2341


■ 55.9835, 55.9607,
62.7576

 21.6801, 39.1853,
20.0973

 62.8441, 59.3765,
68.5444

 70.4479, 63.1686,
74.6721

 74.1050, 64.9193,
80.9260

 75.3309, 65.4096,
87.3815

Harmonies

Analogous

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



34.7038, 44.0850, 27.6778



31.9658, 44.0850, 38.7228



31.7291, 44.0850, 55.2498

Triad

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



31.9658, 44.0850, 38.7228



44.3615, 44.0850, 87.4466



50.9105, 44.0850, 29.2474

Complementary

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



31.9658, 44.0850, 38.7228



33.3237, 25.3186, 31.5660

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.



54.0443, 44.0850, 41.4158



31.9658, 44.0850, 38.7228



50.0313, 44.0850, 76.4214

Square

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



31.9658, 44.0850, 38.7228



38.5224, 44.0850, 86.2379



53.7082, 44.0850, 58.6543



45.4726, 44.0850, 23.1604

Rectangle

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



31.9658, 44.0850, 38.7228



32.9887, 44.0850, 67.5826



53.7082, 44.0850, 58.6543



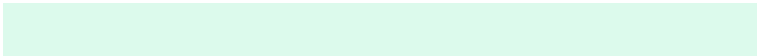
52.2903, 44.0850, 32.6223

Sweetspot

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



31.9670, 44.0868, 38.7238



78.8424, 89.5907, 92.8030



34.6911, 45.8498, 22.6447



16.6613, 19.0950, 19.6612



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.



31.9670, 44.0868, 38.7238



52.3053, 76.5456, 62.8633



34.9229, 44.3343, 57.1710



10.1710, 11.3495, 11.9039



14.4600, 26.0781, 13.5813



0.6591, 1.1405, 0.7677

Inverse Universe

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



33.3237, 25.3186, 31.5660



55.0747, 38.3037, 48.3031



31.1812, 24.9447, 18.7946



10.2574, 10.1516, 11.4459



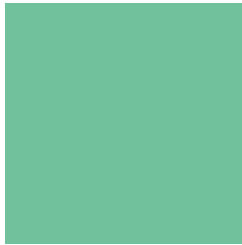
15.8068, 8.0125, 6.8949



0.7177, 0.3601, 0.4806

Previews

White Background



This preview shows how the XYZ color 31.9658, 44.0850, 38.7228 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 31.9658, 44.0850, 38.7228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

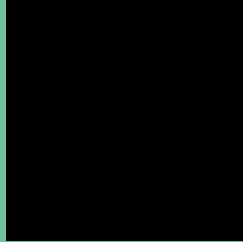
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9658, 44.0850, 38.7228

Background



This preview shows how black text looks on a background with the XYZ color 31.9658, 44.0850, 38.7228.

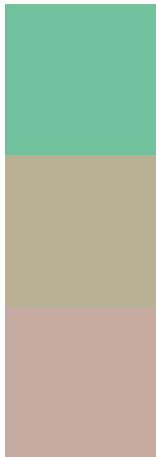


This preview shows how white text looks on a background with the XYZ color 31.9658, 44.0850,

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

31.9658, 44.0850, 38.7228

Protanopia

41.1203, 43.6279, 34.2707

Deuteranopia

44.4495, 43.5002, 40.2361



Tritanopia

36.7432, 44.0900, 62.4508

Trichromacy



Original Color

31.9658, 44.0850, 38.7228

Protanomaly

36.6119, 43.0612, 35.6601

Deuteranomaly

38.4140, 42.7037, 39.4757

Tritanomaly

34.8063, 43.9334, 53.0999

Monochromacy



Original Color

31.9658, 44.0850, 38.7228

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.7056, 39.3796, 40.0070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9658, 44.0850, 38.7228 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(113, 193, 157)` looks like.

```
.text, #text, p{  
    color:rgb(113, 193, 157)  
}
```

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(113, 193, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 193, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.9658, 44.0850, 38.7228 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(113, 193, 157) }
```


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

```
.border{ border-color:rgb(113, 193, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 193, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 193, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 193, 157);  
box-shadow:4px 4px 4px 4px rgb(113, 193,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9658, 44.0850, 38.7228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 193, 157) }
```

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

```
.background{ background-color: rgb(113,  
193, 157) }
```

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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