

Converting Colors

XYZ(31.7876, 41.0561, 39.2205)

Have a look what the booklet for
XYZ(31.7876, 41.0561, 39.2205)
contains.

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Color

**XYZ(31.8559, 41.1442,
39.0635)**

Conversions

Conversions Part 1

Format	Color
Hex	7DB89F
RGB	125, 184, 159
RGB Percent	49%, 72%, 62%
CMY	0.5098, 0.2784, 0.3765
CMYK	0.32, 0.00, 0.14, 0.28
HSL	155°, 29%, 61%
HSV	155°, 32%, 72%
XYZ	31.8559, 41.1442, 39.0635
YIQ	163.5090, -27.1390, -20.2830

Conversions

Conversions Part 2

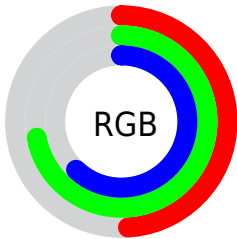
Format	Color
RYB	125, 162, 184
Decimal	8239263
CIELab	70.28, -24.57, 6.64
CIELCh	70, 25.452, 164.877
Yxy	41.1442, 0.2843, 0.3672
Android (android.graphics.Color)	4286429343 (0xFF7DB89F)
YUV	163.5090, -2.2229, -33.7724
Hunter-Lab	64.1437, -23.6026, 8.7930

Details

The XYZ color **31.8559, 41.1442, 39.0635** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.6072, 27.0605, 32.3603**, and the grayscale version is **35.0738, 36.9003, 40.1845**.

A 20% lighter version of the original color is **61.8881, 76.7589, 75.1724**, and **13.5707, 18.7318, 17.0877** is the 20% darker color. If you saturate the color by 10%, you get **28.7593, 39.6247, 35.4977**, and if you desaturate by 10%, it is **35.4951, 42.9407, 42.8793**.

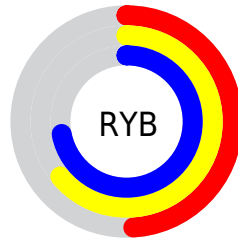
Distribution



Red (49%)

Green (72%)

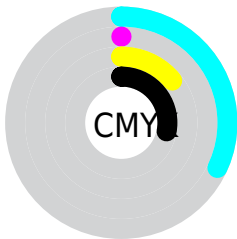
Blue (62%)



Red (49%)

Yellow (64%)

Blue (72%)

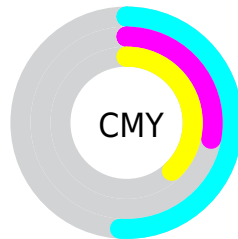


Cyan (32%)

Magenta (0%)

Yellow (14%)

Black (28%)



Cyan (51%)

Magenta (28%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8559, 41.1442, 39.0635 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 31.8559, 41.1442, 39.0635 by changing the saturation by 10% instead.

■ 31.8559, 41.1442,
39.0635

■ 31.8559, 41.1442,
39.0635

302.2193,
350.9229, 357.5944

■ 21.4065, 28.4318,
26.5009

■ 61.9518, 76.9027,
74.9567

■ 13.5356, 18.6514,
16.9696

■ 82.3291, 100.7177,
99.1245

■ 7.8779, 11.4187,
10.0511

■ 106.7462,
129.0022, 127.9976

■ 4.0681, 6.3492,
5.3268

135.5688,
162.1407, 161.9948

■ 1.7407, 3.0585,
2.3782

169.1620,
200.5177, 201.5346

■ 0.4816, 1.1624,
0.7745

207.8912,

■ 0.0000, 0.0306,

244.5174, 247.0354

0.0000

252.1219,
294.5244, 298.9158

■ 0.0000, 0.0000,
0.0000

■ 31.8559, 41.1442,
39.0635

■ 31.8559, 41.1442,
39.0635

■ 28.7593, 39.6247,
35.4977

■ 35.4951, 42.9407,
42.8793

■ 26.1736, 38.3626,
32.1738

■ 39.6996, 45.0225,
46.9474

■ 24.0689, 37.3437,
29.0869

■ 44.4950, 47.4038,
51.2739

■ 22.4107, 36.5504,
26.2312

■ 49.9043, 50.0964,
55.8636

■ 21.1596, 35.9623,
23.6004

■ 55.9491, 53.1114,
60.7211

■ 20.2686, 35.5555,
21.1877

■ 62.6500, 56.4593,
65.8511

■ 19.7445, 35.3238,
19.4219

■ 70.0268, 60.1501,
71.2579

■ 71.4830, 60.7833,
76.6364

■ 72.5487, 61.2096,
82.2486

Harmonies

Analogous

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



33.7101, 41.1442, 30.3998



31.8559, 41.1442, 39.0635



31.8481, 41.1442, 50.9661

Triad

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



31.8559, 41.1442, 39.0635



41.2042, 41.1442, 70.9015



45.0765, 41.1442, 30.4537

Complementary

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



31.8559, 41.1442, 39.0635



32.6072, 27.0605, 32.3603

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.



47.3912, 41.1442, 39.1507



31.8559, 41.1442, 39.0635



45.0497, 41.1442, 63.1497

Square

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



31.8559, 41.1442, 39.0635



37.0487, 41.1442, 70.8667



47.3810, 41.1442, 51.0702



41.2388, 41.1442, 26.0648

Rectangle

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



31.8559, 41.1442, 39.0635



32.8821, 41.1442, 59.2766



47.3810, 41.1442, 51.0702



46.0702, 41.1442, 32.8944

Sweetspot

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



31.8570, 41.1459, 39.0644



73.5298, 82.3890, 86.5539



33.5257, 42.3014, 25.8004



15.6026, 17.6379, 18.4289



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.



31.8570, 41.1459, 39.0644



53.9506, 72.7189, 66.5140



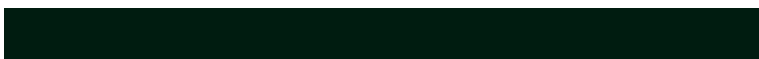
33.4452, 40.4918, 51.4025



9.1014, 10.1445, 10.6914



13.6431, 24.3582, 13.5742



0.5112, 0.8708, 0.6378

Inverse Universe

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



32.6072, 27.0605, 32.3603



55.5122, 43.4427, 52.5921



31.3115, 27.3548, 23.0322



9.1583, 9.0737, 10.1809



14.6042, 7.4154, 5.8026



0.5459, 0.2738, 0.3683

Previews

White Background



This preview shows how the XYZ color 31.8559, 41.1442, 39.0635 looks on a white background.

Color Contrast Check

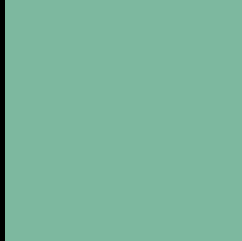
Large Text (above 18pt) WCAG AA × Fail

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 31.8559, 41.1442, 39.0635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

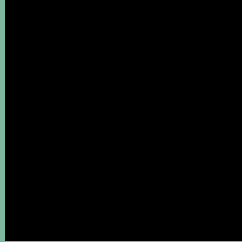
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8559, 41.1442, 39.0635

Background



This preview shows how black text looks on a background with the XYZ color 31.8559, 41.1442, 39.0635.



This preview shows how white text looks on a background with the XYZ color 31.8559, 41.1442,

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

31.8559, 41.1442, 39.0635

Protanopia

38.8208, 40.9765, 35.5689

Deuteranopia

41.5519, 40.6310, 40.3029



Tritanopia

35.2615, 40.9960, 56.5066

Trichromacy



Original Color

31.8559, 41.1442, 39.0635

Protanomaly

35.7398, 40.7882, 36.9996

Deuteranomaly

37.2105, 40.3292, 40.0055

Tritanomaly

33.9176, 41.0511, 49.8521

Monochromacy



Original Color

31.8559, 41.1442, 39.0635

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.6622, 38.2185, 39.7851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8559, 41.1442, 39.0635 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(125, 184, 159)` looks like.

```
.text, #text, p{  
    color:rgb(125, 184, 159)  
}
```

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(125, 184, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 184, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.8559, 41.1442, 39.0635 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(125, 184, 159) }
```


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

```
.border{ border-color:rgb(125, 184, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 184, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 184, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 184, 159);  
box-shadow:4px 4px 4px 4px rgb(125, 184,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8559, 41.1442, 39.0635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 184, 159) }
```

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

```
.background{ background-color: rgb(125,  
184, 159) }
```

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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