

Converting Colors

XYZ(31.7557, 40.9371, 39.3019)

Have a look what the booklet for
XYZ(31.7557, 40.9371, 39.3019)
contains.

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Color

**XYZ(31.9431, 41.1790,
39.5225)**

Conversions

Conversions Part 1

Format	Color
Hex	7DB8A0
RGB	125, 184, 160
RGB Percent	49%, 72%, 63%
CMY	0.5098, 0.2784, 0.3725
CMYK	0.32, 0.00, 0.13, 0.28
HSL	156°, 29%, 61%
HSV	156°, 32%, 72%
XYZ	31.9431, 41.1790, 39.5225
YIQ	163.6230, -27.4600, -19.9720

Conversions

Conversions Part 2

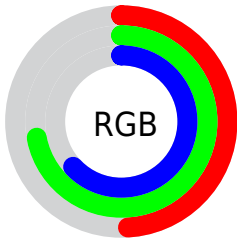
Format	Color
R _{YB}	125, 162, 184
Decimal	8239264
CIE Lab	70.30, -24.36, 6.13
CIE LCh	70, 25.117, 165.880
Yxy	41.1790, 0.2836, 0.3656
Android (android.graphics.Color)	4286429344 (0xFF7DB8A0)
YUV	163.6230, -1.7861, -33.8724
Hunter-Lab	64.1709, -23.4449, 8.4032

Details

The XYZ color **31.9431, 41.1790, 39.5225** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5270, 27.0285, 31.9381**, and the grayscale version is **35.1260, 36.9552, 40.2443**.

A 20% lighter version of the original color is **62.0162, 76.8102, 75.8472**, and **13.6243, 18.7532, 17.3697** is the 20% darker color. If you saturate the color by 10%, you get **28.8667, 39.6676, 36.0631**, and if you desaturate by 10%, it is **35.5588, 42.9661, 43.2148**.

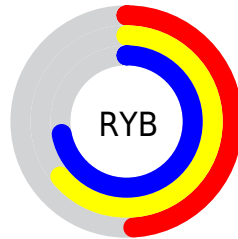
Distribution



Red (49%)

Green (72%)

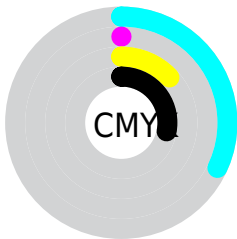
Blue (63%)



Red (49%)

Yellow (64%)

Blue (72%)

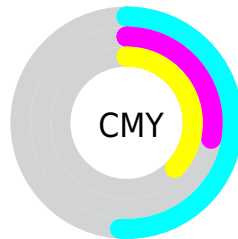


Cyan (32%)

Magenta (0%)

Yellow (13%)

Black (28%)



Cyan (51%)

Magenta (28%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9431, 41.1790, 39.5225 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 31.9431, 41.1790, 39.5225 by changing the saturation by 10% instead.

■ 31.9431, 41.1790,
39.5225

■ 31.9431, 41.1790,
39.5225

302.6099,
351.0682, 359.5989

■ 21.4734, 28.4590,
26.8555

■ 62.0877, 76.9555,
75.6650

■ 13.5849, 18.6719,
17.2332

■ 82.4932, 100.7809,
99.9775

■ 7.9123, 11.4335,
10.2372

■ 106.9415,
129.0767, 129.0089

■ 4.0902, 6.3592,
5.4489

135.7977,
162.2275, 163.1779

■ 1.7533, 3.0647,
2.4497

169.4273,
200.6177, 202.9028

■ 0.4893, 1.1656,
0.8133

208.1956,

■ 0.0000, 0.0333,

244.6316, 248.6022

0.0000

252.4680,
294.6536, 300.6948

■ 0.0000, 0.0000,
0.0000

■ 31.9431, 41.1790,
39.5225

■ 31.9431, 41.1790,
39.5225

■ 28.8667, 39.6676,
36.0631

■ 35.5588, 42.9661,
43.2148

■ 26.2980, 38.4123,
32.8288

■ 39.7366, 45.0372,
47.1418

■ 24.2073, 37.3990,
29.8155


■ 44.5018, 47.4065,
51.3091


■ 22.5600, 36.6100,
27.0177


■ 49.8773, 50.0856,
55.7211

■ 21.3170, 36.0252,
24.4297

■ 55.8848, 53.0856,
60.3820


 20.4314, 35.6206,
22.0453

 62.5447, 56.4171,
65.2959

 19.9097, 35.3898,
20.2921

 69.8767, 60.0900,
70.4670

 71.2841, 60.7036,
75.5895

 72.2974, 61.1089,
80.9253

Harmonies

Analogous

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



33.7192, 41.1790, 30.8145



31.9431, 41.1790, 39.5225



31.9982, 41.1790, 51.3411

Triad

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



31.9431, 41.1790, 39.5225



41.3491, 41.1790, 70.4145



44.9224, 41.1790, 30.4322

Complementary

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



31.9431, 41.1790, 39.5225



32.5270, 27.0285, 31.9381

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.



47.2712, 41.1790, 38.9067



31.9431, 41.1790, 39.5225



45.1113, 41.1790, 62.5747

Square

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



31.9431, 41.1790, 39.5225



37.2369, 41.1790, 70.6586



47.3427, 41.1790, 50.6076



41.1056, 41.1790, 26.2249

Rectangle

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



31.9431, 41.1790, 39.5225



33.0605, 41.1790, 59.5047



47.3427, 41.1790, 50.6076



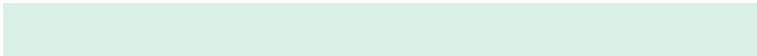
45.9212, 41.1790, 32.8024

Sweetspot

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



31.9442, 41.1807, 39.5234



73.5868, 82.4118, 86.8540



33.3446, 42.2080, 25.7922



15.6165, 17.6435, 18.5018



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.



31.9442, 41.1807, 39.5234



54.1333, 72.7919, 67.4761



33.2473, 40.0959, 51.3363



9.1079, 10.1471, 10.7253



13.7568, 24.4037, 14.1730



0.5148, 0.8722, 0.6569

Inverse Universe

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



32.5270, 27.0285, 31.9381



55.3475, 43.3768, 51.7250



31.4416, 27.6151, 23.0758



9.1520, 9.0712, 10.1477



14.5284, 7.3851, 5.4032



0.5431, 0.2727, 0.3532

Previews

White Background



This preview shows how the XYZ color 31.9431, 41.1790, 39.5225 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 31.9431, 41.1790, 39.5225 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

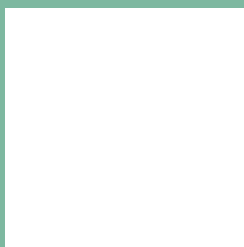
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9431, 41.1790, 39.5225

Background



This preview shows how black text looks on a background with the XYZ color 31.9431, 41.1790, 39.5225.



This preview shows how white text looks on a background with the XYZ color 31.9431, 41.1790,

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

31.9431, 41.1790, 39.5225

Protanopia

38.9031, 41.0094, 36.0022

Deuteranopia

41.3912, 40.5378, 40.7650



Tritanopia

35.3734, 41.0408, 57.0962

Trichromacy



Original Color

31.9431, 41.1790, 39.5225

Protanomaly

35.8242, 40.8219, 37.4438

Deuteranomaly

37.0893, 40.2564, 40.4658

Tritanomaly

34.0206, 41.0923, 50.3945

Monochromacy



Original Color

31.9431, 41.1790, 39.5225

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.7514, 38.2542, 40.2552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9431, 41.1790, 39.5225 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(125, 184, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 184, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.9431, 41.1790, 39.5225 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, 160) }
```


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

```
.border{ border-color:rgb(125, 184, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 184, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 184, 160);  
box-shadow:4px 4px 4px 4px rgb(125, 184,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9431, 41.1790, 39.5225 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, 160) }
```

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

```
.background{ background-color: rgb(125,  
184, 160) }
```

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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