

Converting Colors

XYZ(31.8591, 42.4786, 39.5708)

Have a look what the booklet for
XYZ(31.8591, 42.4786, 39.5708)
contains.

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Color

**XYZ(31.7996, 42.3561,
39.7572)**

Conversions

Conversions Part 1

Format	Color
Hex	76BCA0
RGB	118, 188, 160
RGB Percent	46%, 74%, 63%
CMY	0.5372, 0.2627, 0.3725
CMYK	0.37, 0.00, 0.15, 0.26
HSL	156°, 34%, 60%
HSV	156°, 37%, 74%
XYZ	31.7996, 42.3561, 39.7572
YIQ	163.8780, -32.7320, -23.5480

Conversions

Conversions Part 2

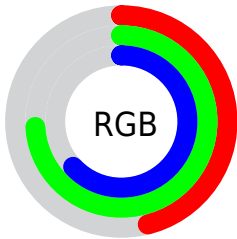
Format	Color
RYB	118, 162, 188
Decimal	7781536
CIELab	71.12, -28.39, 7.25
CIELCh	71, 29.302, 165.674
Yxy	42.3561, 0.2792, 0.3718
Android (android.graphics.Color)	4285971616 (0xFF76BCA0)
YUV	163.8780, -1.9119, -40.2350
Hunter-Lab	65.0816, -26.6756, 9.3379

Details

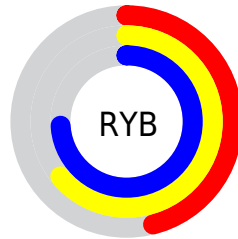
The XYZ color **31.7996, 42.3561, 39.7572** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4072, 25.7246, 30.4531**, and the grayscale version is **35.2495, 37.0852, 40.3858**.

A 20% lighter version of the original color is **62.1517, 79.0953, 76.2812**, and **13.4654, 19.2781, 17.4794** is the 20% darker color. If you saturate the color by 10%, you get **28.8586, 40.9148, 36.2890**, and if you desaturate by 10%, it is **35.2916, 44.0791, 43.4608**.

Distribution



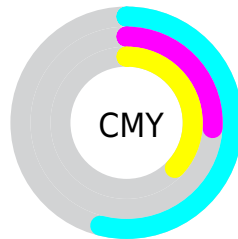
- Red (46%)
- Green (74%)
- Blue (63%)



- Red (46%)
- Yellow (64%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)



- Cyan (54%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7996, 42.3561, 39.7572 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 31.7996, 42.3561, 39.7572 by changing the saturation by 10% instead.

■ 31.7996, 42.3561,
39.7572

■ 31.7996, 42.3561,
39.7572

301.9669,
355.9570, 360.6208

■ 21.3633, 29.3802,
27.0369

■ 61.8641, 78.7383,
76.0267

■ 13.5038, 19.3686,
17.3683

■ 82.2230, 102.9134,
100.4130

■ 7.8557, 11.9370,
10.3327

■ 106.6202,
131.5904, 129.5251

■ 4.0538, 6.7008,
5.5116

135.4209,
165.1536, 163.7814

■ 1.7326, 3.2757,
2.4865

168.9906,
203.9875, 203.6006

■ 0.4766, 1.2773,
0.8330

207.6946,

■ 0.0000, 0.1235,

248.4764, 249.4012

0.0000

251.8982,
299.0048, 301.6018

■ 0.0000, 0.0000,
0.0000

■ 31.7996, 42.3561,
39.7572

■ 31.7996, 42.3561,
39.7572

■ 28.8586, 40.9148,
36.2890

■ 35.2916, 44.0791,
43.4608

■ 26.4340, 39.7341,
33.0483

■ 39.3596, 46.0932,
47.4018

■ 24.4926, 38.7981,
30.0305

■ 44.0313, 48.4138,
51.5858

■ 22.9958, 38.0868,
27.2302

■ 49.3316, 51.0536,
56.0174

■ 21.8983, 37.5773,
24.6411

■ 55.2839, 54.0246,
60.7011

■ 21.1366, 37.2366,
22.2562

■ 61.9103, 57.3382,
65.6410

■ 20.9533, 37.1557,
21.6307

■ 69.2320, 61.0051,
70.8413

■ 72.1643, 62.4041,
76.0672

■ 73.1841, 62.8121,
81.4375

Harmonies

Analogous

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



33.8853, 42.3561, 29.7127



31.7996, 42.3561, 39.7572



31.8487, 42.3561, 53.8020

Triad

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



31.7996, 42.3561, 39.7572



42.8585, 42.3561, 77.2935



47.2092, 42.3561, 29.3788

Complementary

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



31.7996, 42.3561, 39.7572



32.4072, 25.7246, 30.4531

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.



50.0313, 42.3561, 39.2039



31.7996, 42.3561, 39.7572



47.3838, 42.3561, 67.6663

Square

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



31.7996, 42.3561, 39.7572



37.9710, 42.3561, 77.5257



50.0977, 42.3561, 53.1248



42.6355, 42.3561, 24.5982

Rectangle

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



31.7996, 42.3561, 39.7572



33.0772, 42.3561, 63.7183



50.0977, 42.3561, 53.1248



48.4099, 42.3561, 32.1006

Sweetspot

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



31.8008, 42.3578, 39.7582



76.3224, 86.0117, 90.4424



33.3171, 43.4948, 23.7795



16.1652, 18.3734, 19.2281



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.8008, 42.3578, 39.7582



53.0371, 74.5095, 66.6806



33.3118, 41.0084, 53.7387



9.6426, 10.7431, 11.3673



14.3030, 25.3115, 14.9241



0.5917, 1.0041, 0.7504

Inverse Universe

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



32.4072, 25.7246, 30.4531



54.3073, 39.8470, 47.3213



31.1971, 26.3740, 20.5865



9.6840, 9.5979, 10.7251



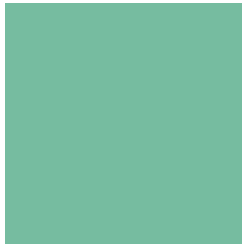
15.0243, 7.6409, 5.4214



0.6209, 0.3123, 0.3831

Previews

White Background



This preview shows how the XYZ color 31.7996, 42.3561, 39.7572 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 31.7996, 42.3561, 39.7572 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

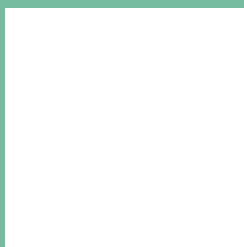
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7996, 42.3561, 39.7572

Background



This preview shows how black text looks on a background with the XYZ color 31.7996, 42.3561, 39.7572.



This preview shows how white text looks on a background with the XYZ color 31.7996, 42.3561,

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

31.7996, 42.3561, 39.7572

Protanopia

39.6671, 41.9779, 35.7176

Deuteranopia

42.5119, 41.6552, 40.9216



Tritanopia

35.7639, 42.4102, 59.1244

Trichromacy



Original Color

31.7996, 42.3561, 39.7572

Protanomaly

35.9373, 41.4764, 37.1220

Deuteranomaly

37.6667, 41.4113, 40.6583

Tritanomaly

34.3129, 42.4437, 51.7314

Monochromacy



Original Color

31.7996, 42.3561, 39.7572

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.5871, 38.7345, 40.3566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7996, 42.3561, 39.7572 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(118, 188, 160)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 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(118, 188, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.7996, 42.3561, 39.7572 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(118, 188, 160) }
```


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

```
.border{ border-color:rgb(118, 188, 160) }
```

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

Here you see how a box with a 4 pixel rgb(118, 188, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 160);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7996, 42.3561, 39.7572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 160) }
```

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

```
.background{ background-color: rgb(118,  
188, 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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