

Converting Colors

XYZ(31.3380, 42.1832, 41.6922)

Have a look what the booklet for
XYZ(31.3380, 42.1832, 41.6922)
contains.

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Color

**XYZ(31.2396, 42.0263,
41.5873)**

Conversions

Conversions Part 1

Format	Color
Hex	6FBCA4
RGB	111, 188, 164
RGB Percent	44%, 74%, 64%
CMY	0.5647, 0.2627, 0.3569
CMYK	0.41, 0.00, 0.13, 0.26
HSL	161°, 36%, 59%
HSV	161°, 41%, 74%
XYZ	31.2396, 42.0263, 41.5873
YIQ	162.2410, -38.1880, -23.7880

Conversions

Conversions Part 2

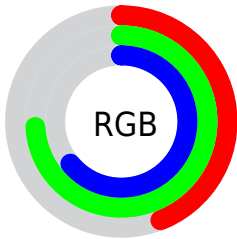
Format	Color
RYB	111, 157, 188
Decimal	7322788
CIELab	70.89, -29.46, 4.70
CIElCh	71, 29.836, 170.939
Yxy	42.0263, 0.2720, 0.3659
Android (android.graphics.Color)	4285512868 (0xFF6FBCA4)
YUV	162.2410, 0.8672, -44.9384
Hunter-Lab	64.8277, -27.4317, 7.3445

Details

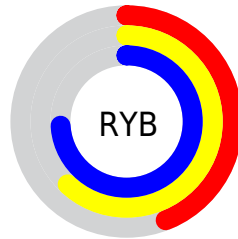
The XYZ color **31.2396, 42.0263, 41.5873** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.7981, 23.8106, 25.8960**, and the grayscale version is **34.4655, 36.2603, 39.4875**.

A 20% lighter version of the original color is **61.1645, 78.5263, 78.9512**, and **13.1371, 19.0899, 18.3216** is the 20% darker color. If you saturate the color by 10%, you get **28.6015, 40.7272, 38.7651**, and if you desaturate by 10%, it is **34.4023, 43.5952, 44.5632**.

Distribution



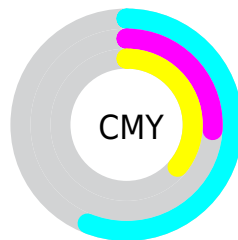
- Red (44%)
- Green (74%)
- Blue (64%)



- Red (44%)
- Yellow (62%)
- Blue (74%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)
- Black (26%)



- Cyan (56%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2396, 42.0263, 41.5873 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 31.2396, 42.0263, 41.5873 by changing the saturation by 10% instead.

■ 31.2396, 42.0263,
41.5873

■ 31.2396, 42.0263,
41.5873

299.4478,
354.5919, 368.5183

■ 20.9341, 29.1219,
28.4551

■ 60.9904, 78.2394,
78.8380

■ 13.1880, 19.1730,
18.4270

■ 81.1664, 102.3169,
103.7935

■ 7.6360, 11.7954,
11.0844

■ 105.3632,
130.8876, 133.5273

■ 3.9128, 6.6045,
6.0087

■ 133.9463,
164.3358, 168.4579

■ 1.6529, 3.2160,
2.7815

167.2809,
203.0459, 209.0037

■ 0.4265, 1.2455,
0.9842

205.7325,

■ 0.0000, 0.0984,

247.4024, 255.5834

0.0000

249.6663,
297.7896, 308.6154

■ 0.0000, 0.0000,
0.0000

■ 31.2396, 42.0263,
41.5873

■ 31.2396, 42.0263,
41.5873

■ 28.6015, 40.7272,
38.7651

■ 34.4023, 43.5952,
44.5632

■ 26.4527, 39.6764,
36.0906

■ 38.1151, 45.4438,
47.6929

■ 24.7589, 38.8574,
33.5613


■ 42.4061, 47.5876,
50.9802


■ 23.4797, 38.2495,
31.1735


■ 47.3003, 50.0394,
54.4281


■ 22.5672, 37.8280,
28.9232


■ 52.8214, 52.8115,
58.0390

 21.9731, 37.5636,
27.0012

 58.9916, 55.9151,
61.8157

 65.8321, 59.3613,
65.7605

 70.9673, 61.9253,
69.7640

 71.7151, 62.2244,
73.7019

Harmonies

Analogous

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



32.9812, 42.0263, 30.6027



31.2396, 42.0263, 41.5873



31.6756, 42.0263, 56.2420

Triad

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



31.2396, 42.0263, 41.5873



43.4544, 42.0263, 76.3386



46.2675, 42.0263, 27.6441

Complementary

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



31.2396, 42.0263, 41.5873



30.7981, 23.8106, 25.8960

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.



49.5406, 42.0263, 36.6678



31.2396, 42.0263, 41.5873



47.8253, 42.0263, 65.2407

Square

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



31.2396, 42.0263, 41.5873



38.4600, 42.0263, 78.4169



50.1332, 42.0263, 50.2018



41.4672, 42.0263, 23.7222

Rectangle

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



31.2396, 42.0263, 41.5873



33.1585, 42.0263, 66.1139



50.1332, 42.0263, 50.2018



47.5989, 42.0263, 30.0808

Sweetspot

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



31.2408, 42.0280, 41.5883



75.8295, 85.7306, 91.6364



30.9073, 42.2987, 21.5751



16.0798, 18.3225, 19.5368



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.



31.2408, 42.0280, 41.5883



52.3398, 74.0575, 70.8303



30.7475, 37.2390, 53.1462



9.6785, 10.7575, 11.5566



14.9945, 25.5881, 18.5655



0.6155, 1.0136, 0.8757

Inverse Universe

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



30.7981, 23.8106, 25.8960



51.4436, 36.6224, 38.6511



30.9580, 26.5370, 18.5301



9.6494, 9.5840, 10.5426



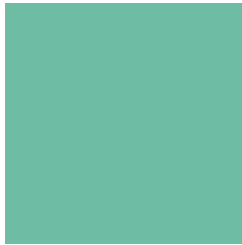
14.6806, 7.5034, 3.6115



0.6054, 0.3060, 0.3011

Previews

White Background



This preview shows how the XYZ color 31.2396, 42.0263, 41.5873 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 31.2396, 42.0263, 41.5873 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

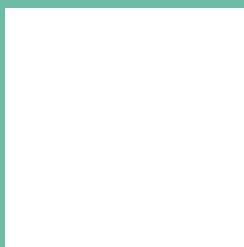
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2396, 42.0263, 41.5873

Background



This preview shows how black text looks on a background with the XYZ color 31.2396, 42.0263, 41.5873.



This preview shows how white text looks on a background with the XYZ color 31.2396, 42.0263,

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

31.2396, 42.0263, 41.5873

Protanopia

39.4913, 41.5749, 36.9537

Deuteranopia

42.3725, 41.5410, 42.8307



Tritanopia

34.8723, 41.9373, 59.6828

Trichromacy



Original Color

31.2396, 42.0263, 41.5873

Protanomaly

35.6095, 41.2780, 38.4384

Deuteranomaly

37.2053, 41.1313, 42.5374

Tritanomaly

33.5480, 42.0250, 52.7978

Monochromacy



Original Color

31.2396, 42.0263, 41.5873

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.5015, 37.6098, 40.1967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2396, 42.0263, 41.5873 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(111, 188, 164)` looks like.

```
.text, #text, p{  
    color:rgb(111, 188, 164)  
}
```

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(111, 188, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 188, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.2396, 42.0263, 41.5873 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(111, 188, 164) }
```


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

```
.border{ border-color:rgb(111, 188, 164) }
```

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

Here you see how a box with a 4 pixel rgb(111, 188, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 188, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 188, 164);  
box-shadow:4px 4px 4px 4px rgb(111, 188,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2396, 42.0263, 41.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 188, 164) }
```

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

```
.background{ background-color: rgb(111,  
188, 164) }
```

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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