

Converting Colors

XYZ(31.5007, 37.0534, 41.3490)

Have a look what the booklet for
XYZ(31.5007, 37.0534, 41.3490)
contains.

XYZ(31.5992, 37.1132, 41.5745)	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(31.5992, 37.1132,
41.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	88ABA6
RGB	136, 171, 166
RGB Percent	53%, 67%, 65%
CMY	0.4667, 0.3294, 0.3490
CMYK	0.20, 0.00, 0.03, 0.33
HSL	171°, 17%, 60%
HSV	171°, 20%, 67%
XYZ	31.5992, 37.1132, 41.5745
YIQ	159.9650, -19.2550, -8.9750

Conversions

Conversions Part 2

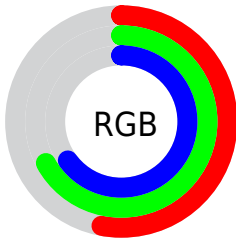
Format	Color
RYB	136, 155, 171
Decimal	8956838
CIELab	67.36, -12.94, -1.37
CIELCh	67, 13.013, 186.032
Yxy	37.1132, 0.2865, 0.3365
Android (android.graphics.Color)	4287146918 (0xFF88ABA6)
YUV	159.9650, 2.9753, -21.0173
Hunter-Lab	60.9206, -14.0240, 2.1827

Details

The XYZ color **31.5992, 37.1132, 41.5745** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4078, 28.1904, 29.0395**, and the grayscale version is **33.3914, 35.1303, 38.2570**.

A 20% lighter version of the original color is **61.4827, 70.5603, 78.7856**, and **13.3804, 16.3399, 18.3683** is the 20% darker color. If you saturate the color by 10%, you get **28.8187, 35.7065, 40.2859**, and if you desaturate by 10%, it is **34.8292, 38.7531, 42.9080**.

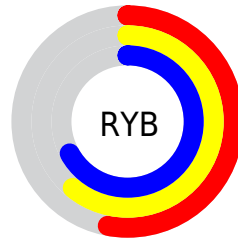
Distribution



Red (53%)

Green (67%)

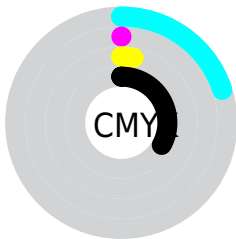
Blue (65%)



Red (53%)

Yellow (61%)

Blue (67%)

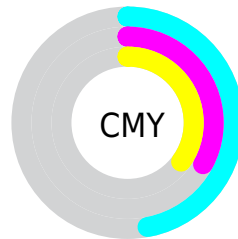


Cyan (20%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5992, 37.1132, 41.5745 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 31.5992, 37.1132, 41.5745 by changing the saturation by 10% instead.

■ 31.5992, 37.1132,
41.5745

■ 31.5992, 37.1132,
41.5745

301.0672,
333.8004, 368.4635

■ 21.2096, 25.2951,
28.4452

■ 61.5517, 70.7469,
78.8184

■ 13.3906, 16.2971,
18.4196

■ 81.8453, 93.3312,
103.7700

■ 7.7769, 9.7346,
11.0791

■ 106.1709,
120.2732, 133.4995

■ 4.0031, 5.2234,
6.0052

134.8940,
151.9571, 168.4253

■ 1.7039, 2.3789,
2.7794

168.3798,
188.7674, 208.9661

■ 0.4587, 0.8150,
0.9831

206.9937,

■ 0.0000, 0.0000,

231.0884, 255.5404

0.0000

251.1010,
279.3046, 308.5667

■ 31.5992, 37.1132,
41.5745

■ 31.5992, 37.1132,
41.5745

■ 28.8187, 35.7065,
40.2859

■ 34.8292, 38.7531,
42.9080

■ 26.4636, 34.5175,
39.0385

■ 38.5251, 40.6318,
44.2848

■ 24.5121, 33.5362,
37.8320

■ 42.7064, 42.7602,
45.7069

■ 22.9396, 32.7497,
36.6651

■ 47.3905, 45.1473,
47.1751

■ 21.7183, 32.1438,
35.5364

■ 52.5940, 47.8017,
48.6903

■ 20.8170, 31.7024,
34.4443

■ 58.3327, 50.7314,
50.2534

■ 20.1988, 31.4065,
33.3870

■ 64.3621, 53.8105,
51.8531

■ 19.7959, 31.2200,
32.4078

■ 64.6189, 53.9133,
53.2057

■ 64.8802, 54.0178,
54.5816

Harmonies

Analogous

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



31.8874, 37.1132, 36.1131



31.5992, 37.1132, 41.5745



32.2655, 37.1132, 47.2167

Triad

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



31.5992, 37.1132, 41.5745



37.5779, 37.1132, 49.9522



36.8549, 37.1132, 31.1870

Complementary

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



31.5992, 37.1132, 41.5745



30.4078, 28.1904, 29.0395

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.



38.4660, 37.1132, 34.2910



31.5992, 37.1132, 41.5745



38.8943, 37.1132, 45.0348

Square

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



31.5992, 37.1132, 41.5745



35.6793, 37.1132, 52.3379



39.2253, 37.1132, 39.2674



34.8737, 37.1132, 30.4477

Rectangle

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



31.5992, 37.1132, 41.5745



33.1766, 37.1132, 50.2139



39.2253, 37.1132, 39.2674



37.4600, 37.1132, 31.9731

Sweetspot

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



31.6003, 37.1147, 41.5753



65.1570, 70.8156, 77.9085



30.0351, 36.5896, 28.7728



14.4389, 15.7457, 17.3395



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.6003, 37.1147, 41.5753



54.0165, 65.1630, 73.2980



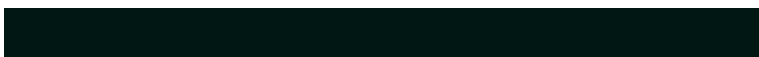
29.8604, 32.8862, 43.3036



8.1864, 9.0521, 10.0064



14.9373, 23.5402, 24.5074



0.4288, 0.6601, 0.7513

Inverse Universe

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



30.4078, 28.1904, 29.0395



51.4557, 45.9877, 46.3695



31.8690, 31.6950, 27.7314



8.0501, 8.0333, 8.5749



12.8007, 6.5828, 1.3300



0.3702, 0.1888, 0.1111

Previews

White Background



This preview shows how the XYZ color 31.5992, 37.1132, 41.5745 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 31.5992, 37.1132, 41.5745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

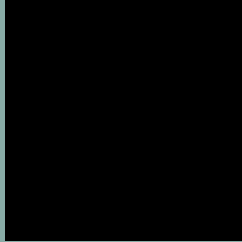
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5992, 37.1132, 41.5745

Background



This preview shows how black text looks on a background with the XYZ color 31.5992, 37.1132, 41.5745.

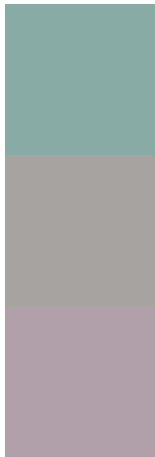


This preview shows how white text looks on a background with the XYZ color 31.5992, 37.1132,

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

31.5992, 37.1132, 41.5745

Protanopia

35.4666, 36.9831, 38.9874

Deuteranopia

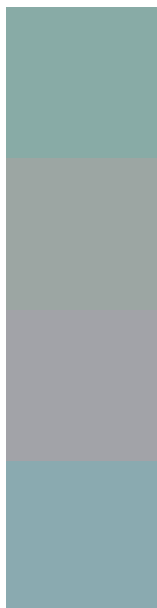
37.6910, 37.0080, 42.6928



Tritanopia

33.2789, 37.2423, 49.6905

Trichromacy



Original Color

31.5992, 37.1132, 41.5745

Protanomaly

33.9574, 36.9847, 39.9993

Deuteranomaly

35.0654, 36.7029, 42.2820

Tritanomaly

32.6924, 37.2873, 46.5484

Monochromacy



Original Color

31.5992, 37.1132, 41.5745

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5595, 35.7389, 39.3646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5992, 37.1132, 41.5745 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(136, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(136, 171, 166)  
}
```

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(136, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 171, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.5992, 37.1132, 41.5745 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(136, 171, 166) }
```


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

```
.border{ border-color:rgb(136, 171, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 171, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 171, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 171, 166);  
box-shadow:4px 4px 4px 4px rgb(136, 171,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5992, 37.1132, 41.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 171, 166) }
```

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

```
.background{ background-color: rgb(136,  
171, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor