

Converting Colors

XYZ(31.1120, 40.7577, 33.6223)

Have a look what the booklet for
XYZ(31.1120, 40.7577, 33.6223)
contains.

XYZ(31.2309, 40.9455, 33.4514)	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(31.2309, 40.9455,
33.4514)**

Conversions

Conversions Part 1

Format	Color
Hex	80B892
RGB	128, 184, 146
RGB Percent	50%, 72%, 57%
CMY	0.4980, 0.2784, 0.4274
CMYK	0.30, 0.00, 0.21, 0.28
HSL	139°, 28%, 61%
HSV	139°, 30%, 72%
XYZ	31.2309, 40.9455, 33.4514
YIQ	162.9240, -21.1780, -23.6900

Conversions

Conversions Part 2

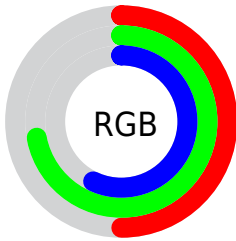
Format	Color
RYB	128, 170, 184
Decimal	8435858
CIELab	70.14, -26.26, 13.56
CIELCh	70, 29.552, 152.686
Yxy	40.9455, 0.2957, 0.3876
Android (android.graphics.Color)	4286625938 (0xFF80B892)
YUV	162.9240, -8.3435, -30.6283
Hunter-Lab	63.9887, -24.8598, 13.7970

Details

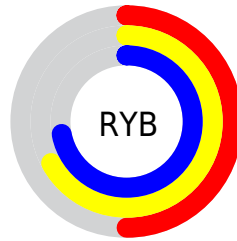
The XYZ color **31.2309, 40.9455, 33.4514** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.3707, 28.3828, 39.7450**, and the grayscale version is **34.8231, 36.6366, 39.8972**.

A 20% lighter version of the original color is **60.8768, 76.4354, 66.1885**, and **13.2424, 18.6366, 13.7257** is the 20% darker color. If you saturate the color by 10%, you get **27.7915, 39.2797, 28.4945**, and if you desaturate by 10%, it is **35.2805, 42.9159, 38.9924**.

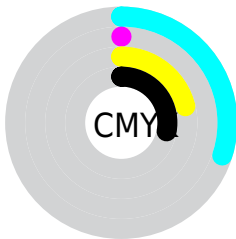
Distribution



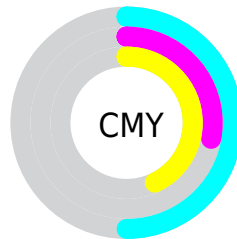
- Red (50%)
- Green (72%)
- Blue (57%)



- Red (50%)
- Yellow (67%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (21%)
- Black (28%)



- Cyan (50%)
- Magenta (28%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2309, 40.9455, 33.4514 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 31.2309, 40.9455, 33.4514 by changing the saturation by 10% instead.

■ 31.2309, 40.9455,
33.4514

■ 31.2309, 40.9455,
33.4514

299.4086,
350.0928, 332.3731

■ 20.9274, 28.2765,
22.1985

■ 60.9768, 76.6012,
66.2037

■ 13.1831, 18.5342,
13.8031

■ 81.1499, 100.3566,
88.5403

■ 7.6326, 11.3342,
7.8467

■ 105.3436,
128.5763, 115.4085

■ 3.9106, 6.2921,
3.9106

133.9233,
161.6447, 147.2269

■ 1.6517, 3.0235,
1.5765

167.2543,
199.9461, 184.4140

■ 0.4257, 1.1440,
0.2739

205.7019,

■ 0.0000, 0.0152,

243.8650, 227.3884

0.0000

249.6316,
293.7858, 276.5685

■ 0.0000, 0.0000,
0.0000

■ 31.2309, 40.9455,
33.4514

■ 31.2309, 40.9455,
33.4514

■ 27.7915, 39.2797,
28.4945

■ 35.2805, 42.9159,
38.9924

■ 24.9285, 37.8981,
24.0998

■ 39.9654, 45.1999,
45.1331

■ 22.6096, 36.7855,
20.2481


■ 45.3131, 47.8127,
51.8917


■ 20.7981, 35.9235,
16.9179


■ 51.3487, 50.7668,
59.2850


■ 19.4523, 35.2910,
14.0863


■ 58.0959, 54.0741,
67.3291

 18.5233, 34.8633,
11.7286

 65.5771, 57.7457,
76.0394

 17.9344, 34.5998,
9.8903

 73.1471, 61.4489,
85.3997

 74.9990, 62.1896,
95.1517

 76.4313, 62.7625,
102.6938

Harmonies

Analogous

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



34.1117, 40.9455, 25.7251



31.2309, 40.9455, 33.4514



30.3533, 40.9455, 45.8414

Triad

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



31.2309, 40.9455, 33.4514



39.3545, 40.9455, 76.8018



47.2744, 40.9455, 31.6994

Complementary

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



31.2309, 40.9455, 33.4514



34.3707, 28.3828, 39.7450

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.



48.9577, 40.9455, 43.3473



31.2309, 40.9455, 33.4514



44.1547, 40.9455, 70.9431

Square

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



31.2309, 40.9455, 33.4514



34.8071, 40.9455, 72.6564



47.7719, 40.9455, 57.9442



43.3394, 40.9455, 24.8704

Rectangle

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



31.2309, 40.9455, 33.4514



30.9578, 40.9455, 55.6549



47.7719, 40.9455, 57.9442



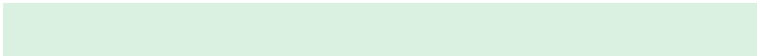
48.1364, 40.9455, 35.0859

Sweetspot

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



31.2320, 40.9472, 33.4523



73.6222, 82.5083, 83.3232



36.8201, 43.9772, 26.9704



15.5858, 17.6476, 17.5961



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.



31.2320, 40.9472, 33.4523



52.0255, 71.9997, 54.0780



33.6579, 41.9176, 46.2269



9.0061, 10.1064, 10.1897



12.3887, 23.8564, 6.9691



0.4658, 0.8526, 0.3989

Inverse Universe

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



34.3707, 28.3828, 39.7450



58.6840, 45.3224, 67.4104



32.0943, 27.4723, 27.7579



9.2548, 9.1123, 10.6891



16.2017, 8.0544, 14.2149



0.5981, 0.2947, 0.6430

Previews

White Background



This preview shows how the XYZ color 31.2309, 40.9455, 33.4514 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 31.2309, 40.9455, 33.4514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

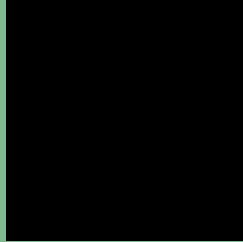
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2309, 40.9455, 33.4514

Background



This preview shows how black text looks on a background with the XYZ color 31.2309, 40.9455, 33.4514.



This preview shows how white text looks on a background with the XYZ color 31.2309, 40.9455,

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

31.2309, 40.9455, 33.4514

Protanopia

38.0910, 40.4373, 30.2237

Deuteranopia

41.4658, 40.7144, 34.5273



Tritanopia

35.7514, 40.9649, 55.8919

Trichromacy



Original Color

31.2309, 40.9455, 33.4514

Protanomaly

35.1127, 40.2943, 31.5181

Deuteranomaly

36.9719, 40.3329, 34.2702

Tritanomaly

33.8906, 40.8060, 46.6476

Monochromacy



Original Color

31.2309, 40.9455, 33.4514

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.2264, 38.0442, 37.4903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2309, 40.9455, 33.4514 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(128, 184, 146)` looks like.

```
.text, #text, p{  
    color:rgb(128, 184, 146)  
}
```

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(128, 184, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 184, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.2309, 40.9455, 33.4514 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(128, 184, 146) }
```


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

```
.border{ border-color:rgb(128, 184, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 184, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 184, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 184, 146);  
box-shadow:4px 4px 4px 4px rgb(128, 184,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2309, 40.9455, 33.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 184, 146) }
```

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

```
.background{ background-color: rgb(128,  
184, 146) }
```

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