

Converting Colors

XYZ(32.2112, 43.0641, 31.8138)

Have a look what the booklet for
XYZ(32.2112, 43.0641, 31.8138)
contains.

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Color

**XYZ(32.2112, 43.0641,
31.8138)**

Conversions

Conversions Part 1

Format	Color
Hex	82BD8D
RGB	130, 189, 141
RGB Percent	51%, 74%, 55%
CMY	0.4902, 0.2588, 0.4471
CMYK	0.31, 0.00, 0.25, 0.26
HSL	131°, 31%, 63%
HSV	131°, 31%, 74%
XYZ	32.2112, 43.0641, 31.8138
YIQ	165.8870, -19.7560, -27.4360

Conversions

Conversions Part 2

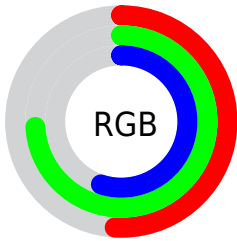
Format	Color
RYB	130, 180, 189
Decimal	8568205
CIELab	71.60, -28.98, 18.32
CIElCh	72, 34.285, 147.703
Yxy	43.0641, 0.3008, 0.4021
Android (android.graphics.Color)	4286758285 (0xFF82BD8D)
YUV	165.8870, -12.2693, -31.4729
Hunter-Lab	65.6232, -27.2239, 17.1928

Details

The XYZ color **32.2112, 43.0641, 31.8138** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.0062, 29.9993, 45.9611**, and the grayscale version is **36.2560, 38.1442, 41.5390**.

A 20% lighter version of the original color is **62.5733, 80.0420, 63.7815**, and **13.6942, 19.7030, 12.9788** is the 20% darker color. If you saturate the color by 10%, you get **28.5084, 41.2796, 26.0773**, and if you desaturate by 10%, it is **36.6077, 45.1903, 38.4138**.

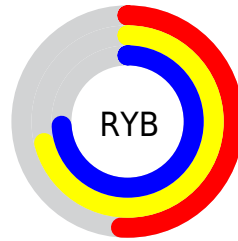
Distribution



Red (51%)

Green (74%)

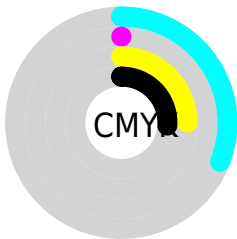
Blue (55%)



Red (51%)

Yellow (71%)

Blue (74%)

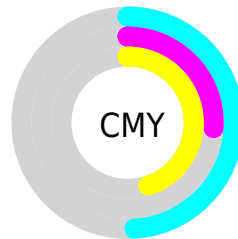


Cyan (31%)

Magenta (0%)

Yellow (25%)

Black (26%)



Cyan (49%)

Magenta (26%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2112, 43.0641, 31.8138 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 32.2112, 43.0641, 31.8138 by changing the saturation by 10% instead.

■ 32.2112, 43.0641,
31.8138

■ 32.2112, 43.0641,
31.8138

303.8084,
358.8753, 324.7367

■ 21.6792, 29.9354,
20.9557

■ 62.5050, 79.8076,
63.6136

■ 13.7366, 19.7896,
12.9007

■ 82.9975, 104.1912,
85.3923

■ 8.0182, 12.2422,
7.2303

■ 107.5409,
133.0952, 111.6484

■ 4.1585, 6.9088,
3.5259

136.5005,
166.9040, 142.8002

■ 1.7922, 3.4051,
1.3690

170.2417,
206.0020, 179.2664

■ 0.5130, 1.3467,
0.1174

209.1299,

■ 0.0000, 0.1770,

250.7737, 221.4656

0.0000

253.5303,
301.6033, 269.8162

■ 0.0000, 0.0000,
0.0000

■ 32.2112, 43.0641,
31.8138

■ 32.2112, 43.0641,
31.8138

■ 28.5084, 41.2796,
26.0773

■ 36.6077, 45.1903,
38.4138

■ 25.4601, 39.8137,
21.1659

■ 41.7275, 47.6691,
45.9081

■ 23.0286, 38.6490,
17.0423


■ 47.6028, 50.5176,
54.3293


■ 21.1707, 37.7640,
13.6655


■ 54.2627, 53.7502,
63.7077


■ 19.8374, 37.1345,
10.9904

■ 61.7347, 57.3805,
74.0720

 18.9715, 36.7320,
8.9674

 70.0452, 61.4215,
85.4499

 18.5054, 36.5196,
7.6824

 76.4808, 64.4738,
97.7398

 77.4884, 64.8769,
103.0461

Harmonies

Analogous

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



35.9634, 43.0641, 23.9193



32.2112, 43.0641, 31.8138



30.7706, 43.0641, 45.6215

Triad

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



32.2112, 43.0641, 31.8138



40.4860, 43.0641, 86.5801



51.6176, 43.0641, 33.5560

Complementary

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



32.2112, 43.0641, 31.8138



37.0062, 29.9993, 45.9611

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.



53.1133, 43.0641, 48.1807



32.2112, 43.0641, 31.8138



46.3365, 43.0641, 81.2237

Square

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



32.2112, 43.0641, 31.8138



35.2581, 43.0641, 79.3920



51.0978, 43.0641, 66.1038



47.1822, 43.0641, 24.7456

Rectangle

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



32.2112, 43.0641, 31.8138



31.2017, 43.0641, 57.2854



51.0978, 43.0641, 66.1038



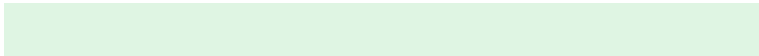
52.4982, 43.0641, 37.8341

Sweetspot

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



32.2123, 43.0659, 31.8148



76.7999, 86.3742, 85.2073



40.6307, 47.4957, 28.1455



16.2014, 18.4222, 17.8700



90.7827, 95.5105, 104.0109



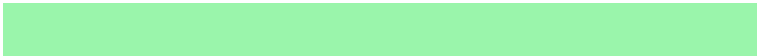
18.6292, 19.5994, 21.3438

Same Dimension

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



32.2123, 43.0659, 31.8148



53.3224, 75.0204, 50.2538



34.6905, 44.0572, 44.8644



9.4795, 10.6779, 10.5086



12.4716, 24.5789, 5.2805



0.5109, 0.9717, 0.3245

Inverse Universe

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



37.0062, 29.9993, 45.9611



63.1705, 48.1583, 79.3012



34.3697, 28.9447, 32.0776



9.8516, 9.6649, 11.6075



18.0577, 8.8542, 21.3950



0.7274, 0.3549, 0.9439

Previews

White Background



This preview shows how the XYZ color 32.2112, 43.0641, 31.8138 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 32.2112, 43.0641, 31.8138 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

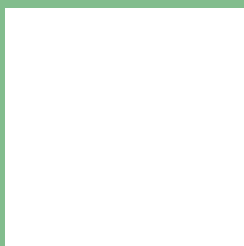
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2112, 43.0641, 31.8138

Background



This preview shows how black text looks on a background with the XYZ color 32.2112, 43.0641, 31.8138.



This preview shows how white text looks on a background with the XYZ color 32.2112, 43.0641,

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

32.2112, 43.0641, 31.8138

Protanopia

39.9326, 42.5581, 28.6641

Deuteranopia

43.4706, 42.6062, 32.7207



Tritanopia

37.6763, 43.1041, 58.5587

Trichromacy



Original Color

32.2112, 43.0641, 31.8138

Protanomaly

36.3613, 42.1533, 29.8869

Deuteranomaly

38.4639, 42.2944, 32.5219

Tritanomaly

35.5020, 43.1509, 47.5321

Monochromacy



Original Color

32.2112, 43.0641, 31.8138

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.3587, 39.4787, 37.7075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2112, 43.0641, 31.8138 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(130, 189, 141)` looks like.

```
.text, #text, p{  
    color:rgb(130, 189, 141)  
}
```

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(130, 189, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 189, 141) }
```

Border

The CSS property to change the border of an element to XYZ 32.2112, 43.0641, 31.8138 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(130, 189, 141) }
```


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

```
.border{ border-color:rgb(130, 189, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 189, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 189, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 189, 141);  
box-shadow:4px 4px 4px 4px rgb(130, 189,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2112, 43.0641, 31.8138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 189, 141) }
```

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

```
.background{ background-color: rgb(130,  
189, 141) }
```

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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