

Converting Colors

XYZ(31.7192, 43.3221, 23.2132)

Have a look what the booklet for
XYZ(31.7192, 43.3221, 23.2132)
contains.

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Color

**XYZ(31.7192, 43.3221,
23.2132)**

Conversions

Conversions Part 1

Format	Color
Hex	88BE74
RGB	136, 190, 116
RGB Percent	53%, 75%, 45%
CMY	0.4667, 0.2549, 0.5451
CMYK	0.28, 0.00, 0.39, 0.25
HSL	104°, 36%, 60%
HSV	104°, 39%, 75%
XYZ	31.7192, 43.3221, 23.2132
YIQ	165.4180, -8.4300, -34.4620

Conversions

Conversions Part 2

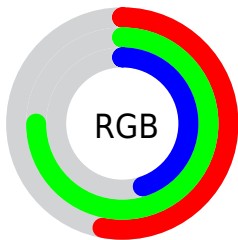
Format	Color
RYB	116, 190, 170
Decimal	8961652
CIELab	71.77, -31.52, 31.85
CIElCh	72, 44.811, 134.695
Yxy	43.3221, 0.3228, 0.4409
Android (android.graphics.Color)	4287151732 (0xFF88BE74)
YUV	165.4180, -24.3631, -25.7996
Hunter-Lab	65.8195, -29.1629, 25.1633

Details

The XYZ color **31.7192, 43.3221, 23.2132** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1191, 24.7558, 51.8030**, and the grayscale version is **36.0823, 37.9614, 41.3400**.

A 20% lighter version of the original color is **61.9081, 80.4625, 49.8040**, and **13.4437, 19.8865, 8.2842** is the 20% darker color. If you saturate the color by 10%, you get **28.6173, 41.8392, 17.8772**, and if you desaturate by 10%, it is **35.3408, 45.0494, 29.7553**.

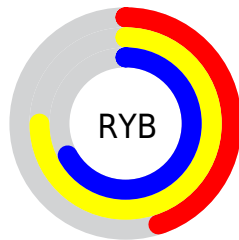
Distribution



Red (53%)

Green (75%)

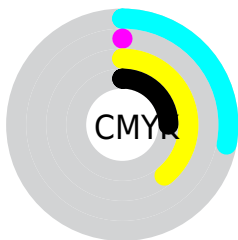
Blue (45%)



Red (45%)

Yellow (75%)

Blue (67%)

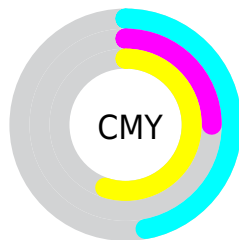


Cyan (28%)

Magenta (0%)

Yellow (39%)

Black (25%)



Cyan (47%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7192, 43.3221, 23.2132 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 31.7192, 43.3221, 23.2132 by changing the saturation by 10% instead.

■ 31.7192, 43.3221,
23.2132

■ 31.7192, 43.3221,
23.2132

301.6062,
359.9347, 281.9755

■ 21.3016, 30.1379,
14.5442

■ 61.7388, 80.1967,
49.6708

■ 13.4584, 19.9433,
8.3571

■ 82.0715, 104.6559,
68.2965

■ 7.8241, 12.3538,
4.2333

■ 106.4400,
133.6422, 91.0782

■ 4.0335, 6.9851,
1.7542

135.2096,
167.5401, 118.4344

■ 1.7211, 3.4528,
0.3975

168.7456,
206.7339, 150.7837

■ 0.4694, 1.3724,
0.0000

207.4135,

■ 0.0000, 0.1963,

251.6080, 188.5446

0.0000

251.5786,
302.5468, 232.1357

■ 0.0000, 0.0000,
0.0000

■ 31.7192, 43.3221,
23.2132

■ 31.7192, 43.3221,
23.2132

■ 28.6173, 41.8392,
17.8772

■ 35.3408, 45.0494,
29.7553

■ 26.0067, 40.5838,
13.6707

■ 39.5019, 47.0259,
37.5680

■ 23.8614, 39.5455,
10.5132


■ 44.2254, 49.2634,
46.7147


■ 22.1512, 38.7109,
8.3120


■ 49.5317, 51.7711,
57.2535


■ 20.8420, 38.0645,
6.9582


■ 55.4404, 54.5580,
69.2394


 19.8833, 37.5847,
6.2640

 61.9699, 57.6323,
82.7242

 19.7971, 37.5415,
6.2028

 69.1379, 61.0023,
97.7572

 74.7960, 63.8093,
102.9820

 77.7043, 65.3087,
103.1181

Harmonies

Analogous

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



37.5753, 43.3221, 17.1391



31.7192, 43.3221, 23.2132



28.6148, 43.3221, 36.9516

Triad

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



31.7192, 43.3221, 23.2132



37.4337, 43.3221, 100.2295



57.0125, 43.3221, 37.3194

Complementary

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



31.7192, 43.3221, 23.2132



32.1191, 24.7558, 51.8030

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.



56.9624, 43.3221, 59.1183



31.7192, 43.3221, 23.2132



45.0005, 43.3221, 100.4207

Square

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



31.7192, 43.3221, 23.2132



31.6266, 43.3221, 83.2059



52.3480, 43.3221, 83.6677



52.4775, 43.3221, 23.4106

Rectangle

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



31.7192, 43.3221, 23.2132



28.2478, 43.3221, 50.6838



52.3480, 43.3221, 83.6677



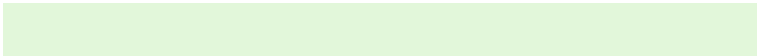
57.5477, 43.3221, 43.8233

Sweetspot

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



31.7203, 43.3240, 23.2141



77.2461, 87.8990, 78.9970



38.5835, 40.5983, 22.3263



16.7108, 19.1826, 16.8582



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.7203, 43.3240, 23.2141



52.4758, 76.1123, 33.4321



29.7844, 42.2087, 28.4199



9.6442, 10.7710, 10.1473



13.2287, 24.9955, 4.1274



0.5831, 1.0126, 0.1647

Inverse Universe

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



32.1191, 24.7558, 51.8030



53.2708, 37.5840, 92.7259



35.1189, 26.4938, 43.2920



9.6716, 9.5631, 12.0083



13.2997, 6.1423, 32.8775



0.5803, 0.2712, 1.2906

Previews

White Background



This preview shows how the XYZ color 31.7192, 43.3221, 23.2132 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 31.7192, 43.3221, 23.2132 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 31.7192, 43.3221, 23.2132

Background



This preview shows how black text looks on a background with the XYZ color 31.7192, 43.3221, 23.2132.



This preview shows how white text looks on a background with the XYZ color 31.7192, 43.3221, 23.2132.

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

31.7192, 43.3221, 23.2132

Protanopia

39.6303, 42.8621, 20.9363

Deuteranopia

43.7483, 42.9410, 24.0718



Tritanopia

38.7686, 43.3774, 57.9591

Trichromacy



Original Color

31.7192, 43.3221, 23.2132

Protanomaly

36.0405, 42.4703, 21.6273

Deuteranomaly

38.1465, 42.3277, 23.6123

Tritanomaly

35.5250, 42.9634, 42.4968

Monochromacy



Original Color

31.7192, 43.3221, 23.2132

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.7289, 39.2487, 33.4018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7192, 43.3221, 23.2132 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, 190, 116)` looks like.

```
.text, #text, p{  
    color:rgb(136, 190, 116)  
}
```

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, 190, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 190, 116) }
```

Border

The CSS property to change the border of an element to XYZ 31.7192, 43.3221, 23.2132 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, 190, 116) }
```


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

```
.border{ border-color:rgb(136, 190, 116) }
```

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

Here you see how a box with a 4 pixel rgb(136, 190, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 190, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 190, 116);  
box-shadow:4px 4px 4px 4px rgb(136, 190,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7192, 43.3221, 23.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 190, 116) }
```

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

```
.background{ background-color: rgb(136,  
190, 116) }
```

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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