

Converting Colors

XYZ(31.4734, 42.8266, 24.8924)

Have a look what the booklet for
XYZ(31.4734, 42.8266, 24.8924)
contains.

| | |
|--|----|
| XYZ(31.5420, 42.8687, 25.0244) | 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(31.5420, 42.8687,
25.0244)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 86BD7A |
| RGB | 134, 189, 122 |
| RGB Percent | 53%, 74%, 48% |
| CMY | 0.4745, 0.2588, 0.5216 |
| CMYK | 0.29, 0.00, 0.35, 0.26 |
| HSL | 109°, 34%, 61% |
| HSV | 109°, 35%, 74% |
| XYZ | 31.5420, 42.8687, 25.0244 |
| YIQ | 164.9170, -11.2730, -32.4970 |

Conversions

Conversions Part 2

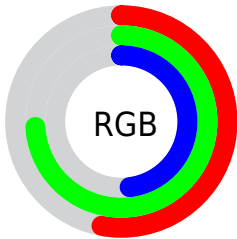
| Format | Color |
|-------------------------------------|--|
| RYB | 122, 189, 177 |
| Decimal | 8830330 |
| CIELab | 71.47, -30.84, 28.30 |
| CIElCh | 71, 41.853, 137.464 |
| Yxy | 42.8687, 0.3172, 0.4311 |
| Android (android.graphics.Color) | 4287020410 (0xFF86BD7A) |
| YUV | 164.9170, -21.1581, -27.1142 |
| Hunter-Lab | 65.4742, -28.5880, 23.1711 |

Details

The XYZ color **31.5420, 42.8687, 25.0244** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.2782, 26.9416, 51.5400**, and the grayscale version is **35.8274, 37.6933, 41.0480**.

A 20% lighter version of the original color is **61.6799, 79.8255, 52.7144**, and **13.3133, 19.5897, 9.2104** is the 20% darker color. If you saturate the color by 10%, you get **28.1890, 41.2639, 19.3377**, and if you desaturate by 10%, it is **35.4878, 44.7554, 31.9295**.

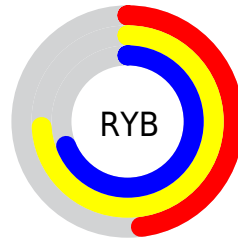
Distribution



Red (53%)

Green (74%)

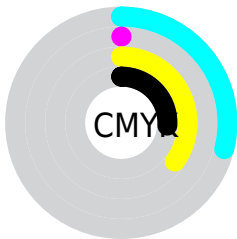
Blue (48%)



Red (48%)

Yellow (74%)

Blue (69%)

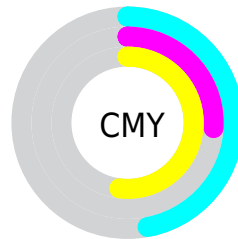


Cyan (29%)

Magenta (0%)

Yellow (35%)

Black (26%)



Cyan (47%)

Magenta (26%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5420, 42.8687, 25.0244 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 31.5420, 42.8687, 25.0244 by changing the saturation by 10% instead.

■ 31.5420, 42.8687,
25.0244

■ 31.5420, 42.8687,
25.0244

300.8101,
358.0715, 291.4110

■ 21.1658, 29.7821,
15.8760

■ 61.4625, 79.5127,
52.6614

■ 13.3584, 19.6733,
9.2831

■ 81.7374, 103.8389,
71.9872

■ 7.7545, 12.1578,
4.8270

■ 106.0426,
132.6804, 95.5425

■ 3.9887, 6.8512,
2.0891

134.7434,
166.4216, 123.7458

■ 1.6958, 3.3692,
0.6093

168.2052,
205.4469, 157.0158

■ 0.4536, 1.3274,
0.0000

206.7933,

■ 0.0000, 0.1623,

250.1408, 195.7710

0.0000

250.8732,
300.8875, 240.4299

■ 0.0000, 0.0000,
0.0000

■ 31.5420, 42.8687,
25.0244

■ 31.5420, 42.8687,
25.0244

■ 28.1890, 41.2639,
19.3377

■ 35.4878, 44.7554,
31.9295

■ 25.3966, 39.9219,
14.7960

■ 40.0501, 46.9309,
40.1150

■ 23.1343, 38.8302,
11.3225


■ 45.2554, 49.4088,
49.6423


■ 21.3674, 37.9727,
8.8296


■ 51.1273, 52.2002,
60.5676

■ 20.0567, 37.3314,
7.2161

■ 57.6887, 55.3155,
72.9444

 19.1563, 36.8853,
6.3569

 64.9609, 58.7648,
86.8229

 18.8531, 36.7344,
6.0968

 72.9647, 62.5577,
102.2513

 77.4885, 64.8769,
103.0462

Harmonies

Analogous

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



36.8072, 42.8687, 18.5532



31.5420, 42.8687, 25.0244



28.8826, 42.8687, 38.7392

Triad

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



31.5420, 42.8687, 25.0244



37.8704, 42.8687, 95.8195



55.1090, 42.8687, 35.9581

Complementary

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



31.5420, 42.8687, 25.0244



34.2782, 26.9416, 51.5400

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.



55.4792, 42.8687, 55.6305



31.5420, 42.8687, 25.0244



44.9550, 42.8687, 94.4293

Square

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



31.5420, 42.8687, 25.0244



32.2427, 42.8687, 81.5687



51.5847, 42.8687, 78.1885



50.6252, 42.8687, 23.4972

Rectangle

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



31.5420, 42.8687, 25.0244



28.7171, 42.8687, 51.9093



51.5847, 42.8687, 78.1885



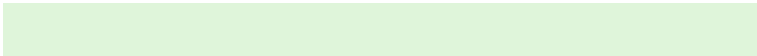
55.7358, 42.8687, 41.8081

Sweetspot

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



31.5431, 42.8705, 25.0253



75.5674, 85.8786, 78.8353



40.1672, 43.5584, 24.7036



15.9840, 18.3410, 16.4668



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.



31.5431, 42.8705, 25.0253



51.4682, 74.3720, 36.2745



31.1994, 42.5245, 32.6375



9.5639, 10.7296, 10.1436



12.7314, 24.7392, 4.1041



0.5482, 0.9946, 0.1631

Inverse Universe

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



34.2782, 26.9416, 51.5400



57.1094, 41.3617, 91.1998



34.9951, 27.5581, 40.4165



9.7578, 9.6075, 12.0124



15.3535, 7.2011, 32.9736



0.6460, 0.3050, 1.2937

Previews

White Background



This preview shows how the XYZ color 31.5420, 42.8687, 25.0244 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 31.5420, 42.8687, 25.0244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

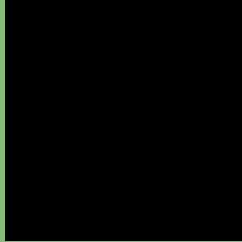
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5420, 42.8687, 25.0244

Background



This preview shows how black text looks on a background with the XYZ color 31.5420, 42.8687, 25.0244.



This preview shows how white text looks on a background with the XYZ color 31.5420, 42.8687,

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

31.5420, 42.8687, 25.0244

Protanopia

39.2747, 42.3519, 22.6277

Deuteranopia

43.3816, 42.4351, 25.9830



Tritanopia

37.9129, 42.6486, 57.2727

Trichromacy



Original Color

31.5420, 42.8687, 25.0244

Protanomaly

35.7523, 41.9832, 23.3588

Deuteranomaly

37.8540, 41.8439, 25.4836

Tritanomaly

35.1567, 42.4449, 43.3855

Monochromacy



Original Color

31.5420, 42.8687, 25.0244

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.8873, 39.3121, 34.2357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5420, 42.8687, 25.0244 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(134, 189, 122)` looks like.

```
.text, #text, p{  
    color:rgb(134, 189, 122)  
}
```

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(134, 189, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 189, 122) }
```

Border

The CSS property to change the border of an element to XYZ 31.5420, 42.8687, 25.0244 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(134, 189, 122) }
```


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

```
.border{ border-color:rgb(134, 189, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 189, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 189, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 189, 122);  
box-shadow:4px 4px 4px 4px rgb(134, 189,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5420, 42.8687, 25.0244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 189, 122) }
```

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

```
.background{ background-color: rgb(134,  
189, 122) }
```

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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