

Converting Colors

XYZ(42.8965, 53.6007, 33.4596)

Have a look what the booklet for
XYZ(42.8965, 53.6007, 33.4596)
contains.

XYZ(42.7628, 53.5438, 33.2805)	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(42.7628, 53.5438,
33.2805)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CC8D
RGB	169, 204, 141
RGB Percent	66%, 80%, 55%
CMY	0.3373, 0.2000, 0.4471
CMYK	0.17, 0.00, 0.31, 0.20
HSL	93°, 38%, 68%
HSV	93°, 31%, 80%
XYZ	42.7628, 53.5438, 33.2805
YIQ	186.3530, -0.6370, -27.0130

Conversions

Conversions Part 2

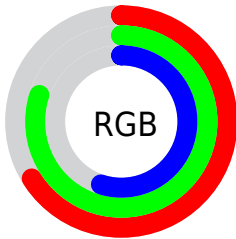
Format	Color
RYB	141, 204, 176
Decimal	11127949
CIELab	78.19, -22.88, 27.68
CIELCh	78, 35.916, 129.578
Yxy	53.5438, 0.3300, 0.4132
Android (android.graphics.Color)	4289318029 (0xFFA9CC8D)
YUV	186.3530, -22.3590, -15.2186
Hunter-Lab	73.1736, -23.7381, 24.2555

Details

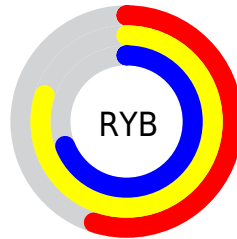
The XYZ color **42.7628, 53.5438, 33.2805** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3306, 32.6410, 61.4097**, and the grayscale version is **46.9931, 49.4404, 53.8406**.

A 20% lighter version of the original color is **76.6617, 91.4677, 65.2443**, and **19.9543, 26.2639, 13.6906** is the 20% darker color. If you saturate the color by 10%, you get **39.0558, 51.7939, 25.9001**, and if you desaturate by 10%, it is **46.9630, 55.5189, 42.1457**.

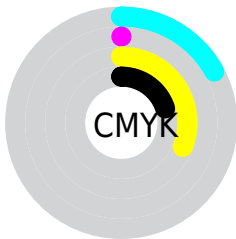
Distribution



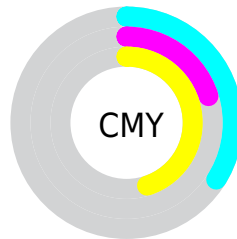
- Red (66%)
- Green (80%)
- Blue (55%)



- Red (55%)
- Yellow (80%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (31%)
- Black (20%)





- Cyan (34%)
- Magenta (20%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7628, 53.5438, 33.2805 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 42.7628, 53.5438, 33.2805 by changing the saturation by 10% instead.


 42.7628, 53.5438,
33.2805

 42.7628, 53.5438,
33.2805


348.5734,
400.3680, 331.5825


 29.8928, 38.2371,
22.0685


 78.6107, 95.4041,
65.9343

 19.9049, 26.1667,
13.7085


 102.3194,
122.7264, 88.2131

 12.4338, 16.9484,
7.7818

 130.3715,
154.8227, 115.0181

 7.1141, 10.1977,
3.8699

163.1326,
192.0774, 146.7676

 3.5805, 5.5302,
1.5542

200.9680,
234.8749, 183.8803

 1.4677, 2.5616,
0.2578

244.2431,

 0.3037, 0.9074,

283.5996, 226.7746

0.0000

293.3231,
338.6358, 275.8692

■ 0.0000, 0.0000,
0.0000

■ 42.7628, 53.5438,
33.2805

■ 42.7628, 53.5438,
33.2805

■ 39.0558, 51.7939,
25.9001

■ 46.9630, 55.5189,
42.1457

■ 35.8171, 50.2533,
19.9198

■ 51.6717, 57.7205,
52.5671

■ 33.0259, 48.9148,
15.2517


■ 56.9084, 60.1588,
64.6159


■ 30.6574, 47.7679,
11.7966


■ 62.6902, 62.8413,
78.3579


■ 28.6842, 46.8007,
9.4411


■ 69.0337, 65.7751,
93.8549

 27.0743, 45.9999,
8.0502

 74.5713, 68.4136,
103.8826

 25.8750, 45.3948,
7.3983

 78.4765, 70.4268,
104.0653

 80.8839, 71.6679,
104.1780

Harmonies

Analogous

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



48.6775, 53.5438, 27.8725



42.7628, 53.5438, 33.2805



39.2552, 53.5438, 45.8182

Triad

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



42.7628, 53.5438, 33.2805



46.3231, 53.5438, 102.5798



65.4047, 53.5438, 52.0983

Complementary

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



42.7628, 53.5438, 33.2805



38.3306, 32.6410, 61.4097

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.



64.6269, 53.5438, 72.8650



42.7628, 53.5438, 33.2805



53.1722, 53.5438, 105.3621

Square

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



42.7628, 53.5438, 33.2805



41.1757, 53.5438, 86.5791



59.9907, 53.5438, 93.4831



62.0273, 53.5438, 36.9657

Rectangle

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



42.7628, 53.5438, 33.2805



38.5458, 53.5438, 58.0155



59.9907, 53.5438, 93.4831



65.6270, 53.5438, 58.5856

Sweetspot

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



42.7642, 53.5461, 33.2817



87.0361, 96.2704, 90.3759



45.1684, 45.6761, 31.6359



18.3668, 20.4834, 18.7490



0.0000, 0.0000, 0.0000



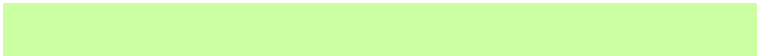
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7642, 53.5461, 33.2817



66.6765, 86.7185, 46.7807



37.6245, 50.8691, 34.2823



11.5334, 12.7769, 11.9377



16.3888, 28.6240, 4.6612



0.9323, 1.5214, 0.2445

Inverse Universe

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



38.3306, 32.6410, 61.4097



58.1947, 46.7442, 100.5631



44.9538, 36.0986, 59.7670



11.1878, 11.1461, 14.1321



11.2826, 5.0239, 36.3313



0.6685, 0.3038, 1.8783

Previews

White Background



This preview shows how the XYZ color 42.7628, 53.5438, 33.2805 looks on a white background.

Color Contrast Check

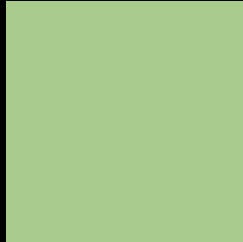
Large Text (above 18pt) WCAG AA × Fail

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 42.7628, 53.5438, 33.2805 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 42.7628, 53.5438, 33.2805

Background



This preview shows how black text looks on a background with the XYZ color 42.7628, 53.5438, 33.2805.



This preview shows how white text looks on a background with the XYZ color 42.7628, 53.5438,

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

42.7628, 53.5438, 33.2805

Protanopia

49.5263, 53.3274, 30.9755

Deuteranopia

54.1383, 53.0732, 34.1788



Tritanopia

49.8634, 53.3171, 69.2912

Trichromacy



Original Color

42.7628, 53.5438, 33.2805

Protanomaly

46.8018, 53.2368, 31.8538

Deuteranomaly

49.3373, 52.8347, 33.9833

Tritanomaly

46.7362, 53.0473, 54.2303

Monochromacy



Original Color

42.7628, 53.5438, 33.2805

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.1481, 50.7455, 45.4455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7628, 53.5438, 33.2805 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(169, 204, 141)` looks like.

```
.text, #text, p{  
    color:rgb(169, 204, 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(169, 204, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 204, 141) }
```

Border

The CSS property to change the border of an element to XYZ 42.7628, 53.5438, 33.2805 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(169, 204, 141) }
```


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

```
.border{ border-color:rgb(169, 204, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 204, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 204, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 204, 141);  
box-shadow:4px 4px 4px 4px rgb(169, 204,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7628, 53.5438, 33.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 204, 141) }
```

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

```
.background{ background-color: rgb(169,  
204, 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](#).

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