

Converting Colors

XYZ(25.8384, 42.8503, 27.3346)

Have a look what the booklet for
XYZ(25.8384, 42.8503, 27.3346)
contains.

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Color

**XYZ(25.8353, 42.8462,
27.3306)**

Conversions

Conversions Part 1

Format	Color
Hex	3AC680
RGB	58, 198, 128
RGB Percent	23%, 78%, 50%
CMY	0.7725, 0.2235, 0.4980
CMYK	0.71, 0.00, 0.35, 0.22
HSL	150°, 55%, 50%
HSV	150°, 71%, 78%
XYZ	25.8353, 42.8462, 27.3306
YIQ	148.1600, -60.9700, -51.4500

Conversions

Conversions Part 2

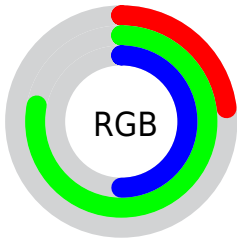
Format	Color
RYB	58, 151, 198
Decimal	3851904
CIELab	71.45, -53.05, 24.62
CIELCh	71, 58.486, 155.110
Yxy	42.8462, 0.2691, 0.4463
Android (android.graphics.Color)	4282041984 (0xFF3AC680)
YUV	148.1600, -9.9389, -79.0703
Hunter-Lab	65.4570, -44.0974, 21.0642

Details

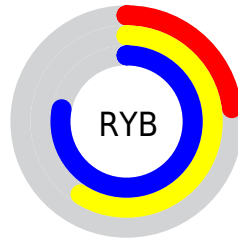
The XYZ color **25.8353, 42.8462, 27.3306** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **28.6994, 16.5913, 22.1136**, and the grayscale version is **28.2746, 29.7471, 32.3945**.

A 20% lighter version of the original color is **52.2689, 79.0671, 56.2227**, and **11.1976, 20.1950, 10.5156** is the 20% darker color. If you saturate the color by 10%, you get **24.2778, 42.1161, 24.0209**, and if you desaturate by 10%, it is **27.9011, 43.8333, 30.9979**.

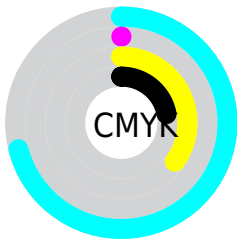
Distribution



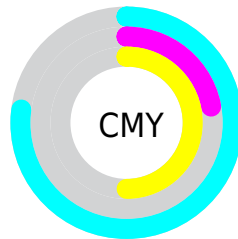
- Red (23%)
- Green (78%)
- Blue (50%)



- Red (23%)
- Yellow (59%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)





- Cyan (77%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8353, 42.8462, 27.3306 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 25.8353, 42.8462, 27.3306 by changing the saturation by 10% instead.

 25.8353, 42.8462,
27.3306


 25.8353, 42.8462,
27.3306


274.2442,
357.9789, 303.0649


 16.8325, 29.7645,
17.5870


 52.4423, 79.4787,
56.4241

 10.2097, 19.6599,
10.4875


 70.7773, 103.7983,
76.6111


 5.6015, 12.1480,
5.6136


 92.9536, 132.6326,
101.1163

 2.6427, 6.8446,
2.5466

 119.3368,
166.3660, 130.3584

 0.9678, 3.3651,
0.8647

 150.2920,
205.3830, 164.7557

 0.0000, 1.3252,
0.0000

186.1848,

 0.0000, 0.1606,

250.0678, 204.7269

0.0000

227.3804,
300.8050, 250.6904

■ 0.0000, 0.0000,
0.0000

■ 25.8353, 42.8462,
27.3306

■ 25.8353, 42.8462,
27.3306

■ 24.2778, 42.1161,
24.0209

■ 27.9011, 43.8333,
30.9979

■ 23.1694, 41.6092,
21.0539

■ 30.5190, 45.0963,
35.0312

■ 22.4470, 41.2906,
18.5911

■ 33.7315, 46.6581,
39.4421

■ 37.5760, 48.5378,
44.2407

■ 42.0867, 50.7528,
49.4369

■ 47.2951, 53.3192,
55.0399

■ 53.2308, 56.2521,
61.0587

■ 59.9215, 59.5656,
67.5021

■ 67.3937, 63.2732,
74.3785

Harmonies

Analogous

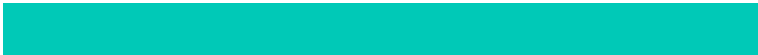
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7655, 42.8462, 14.8432



25.8353, 42.8462, 27.3306



24.6109, 42.8462, 51.6567

Triad

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



25.8353, 42.8462, 27.3306



42.4359, 42.8462, 124.3071



58.2825, 42.8462, 21.8761

Complementary

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



25.8353, 42.8462, 27.3306



28.6994, 16.5913, 22.1136

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.



62.6729, 42.8462, 41.9819



25.8353, 42.8462, 27.3306



52.6285, 42.8462, 106.6460

Square

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



25.8353, 42.8462, 27.3306



33.2555, 42.8462, 115.2591



60.4532, 42.8462, 73.4343



49.2345, 42.8462, 12.7017

Rectangle

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



25.8353, 42.8462, 27.3306



25.8580, 42.8462, 73.6904



60.4532, 42.8462, 73.4343



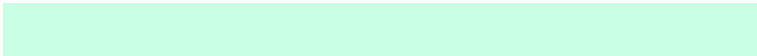
60.4131, 42.8462, 27.1985

Sweetspot

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



25.8364, 42.8479, 27.3316



74.0033, 89.6139, 86.9591



30.2163, 45.4677, 11.1871



15.3389, 18.9348, 18.0481



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.



25.8364, 42.8479, 27.3316



41.8055, 74.0316, 39.5350



31.8663, 45.2599, 59.0844



10.7149, 11.9749, 12.4490



14.6405, 26.8686, 12.3173



0.7298, 1.2869, 0.7758

Inverse Universe

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



28.6994, 16.5913, 22.1136



47.1784, 24.7572, 29.7426



25.6274, 15.3625, 5.9364



10.8513, 10.7239, 12.2004



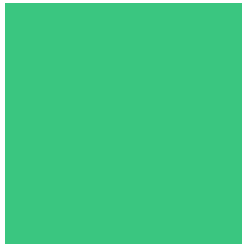
16.6531, 8.4108, 8.6491



0.8251, 0.4129, 0.6021

Previews

White Background



This preview shows how the XYZ color 25.8353, 42.8462, 27.3306 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 25.8353, 42.8462, 27.3306 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 25.8353, 42.8462, 27.3306

Background



This preview shows how black text looks on a background with the XYZ color 25.8353, 42.8462, 27.3306.

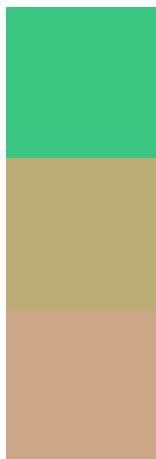


This preview shows how white text looks on a background with the XYZ color 25.8353, 42.8462,

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

25.8353, 42.8462, 27.3306

Protanopia

38.9526, 41.8865, 23.1714

Deuteranopia

42.8205, 42.0832, 28.7877



Tritanopia

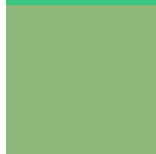
33.1212, 42.8295, 63.6480

Trichromacy



Original Color

25.8353, 42.8462, 27.3306



Protanomaly

31.2253, 40.5238, 24.5885



Deuteranomaly

32.6629, 39.9908, 27.8273



Tritanomaly

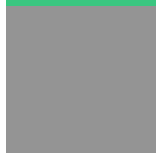
29.7467, 42.4116, 47.6927

Monochromacy



Original Color

25.8353, 42.8462, 27.3306



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.5142, 32.8404, 30.1934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8353, 42.8462, 27.3306 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(58, 198, 128)` looks like.

```
.text, #text, p{  
    color:rgb(58, 198, 128)  
}
```

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(58, 198, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 198, 128) }
```

Border

The CSS property to change the border of an element to XYZ 25.8353, 42.8462, 27.3306 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(58, 198, 128) }
```


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

```
.border{ border-color:rgb(58, 198, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 198, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 198, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 198, 128);  
box-shadow:4px 4px 4px 4px rgb(58, 198,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8353, 42.8462, 27.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 198, 128) }
```

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

```
.background{ background-color: rgb(58, 198,  
128) }
```

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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