

Converting Colors

XYZ(30.8400, 49.7247, 42.4604)

Have a look what the booklet for
XYZ(30.8400, 49.7247, 42.4604)
contains.

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Color

**XYZ(30.8600, 49.7251,
42.6218)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2AD3A3 |
| RGB | 42, 211, 163 |
| RGB Percent | 16%, 83%, 64% |
| CMY | 0.8353, 0.1725, 0.3608 |
| CMYK | 0.80, 0.00, 0.23, 0.17 |
| HSL | 163°, 67%, 50% |
| HSV | 163°, 80%, 83% |
| XYZ | 30.8600, 49.7251, 42.6218 |
| YIQ | 154.9970, -85.3160, -50.7560 |

Conversions

Conversions Part 2

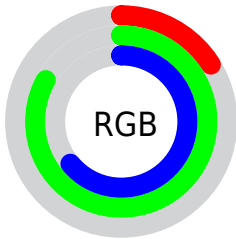
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 42, 140, 211 |
| Decimal | 2806691 |
| CIELab | 75.90, -52.47, 12.15 |
| CIELCh | 76, 53.854, 166.966 |
| Yxy | 49.7251, 0.2505, 0.4036 |
| Android (android.graphics.Color) | 4280996771 (0xFF2AD3A3) |
| YUV | 154.9970, 3.9455, -99.0984 |
| Hunter-Lab | 70.5160, -45.2859, 13.5247 |

Details

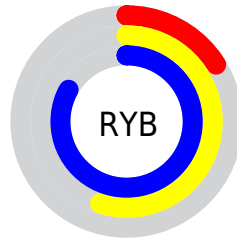
The XYZ color **30.8600, 49.7251, 42.6218** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.5391, 16.2443, 11.2538**, and the grayscale version is **31.1664, 32.7894, 35.7077**.

A 20% lighter version of the original color is **55.7510, 80.3639, 78.9031**, and **14.5906, 24.5904, 19.0163** is the 20% darker color. If you saturate the color by 10%, you get **29.6890, 49.1832, 39.8307**, and if you desaturate by 10%, it is **32.5130, 50.5150, 45.5706**.

Distribution



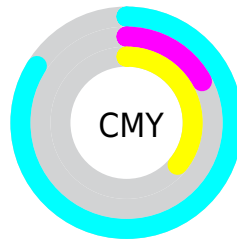
- Red (16%)
- Green (83%)
- Blue (64%)



- Red (16%)
- Yellow (55%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (23%)
- Black (17%)





- Cyan (84%)
- Magenta (17%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8600, 49.7251, 42.6218 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 30.8600, 49.7251, 42.6218 by changing the saturation by 10% instead.

 30.8600, 49.7251,
42.6218


 30.8600, 49.7251,
42.6218


297.7312,
385.5899, 372.9295

 20.6436, 35.1950,
29.2593


 60.3969, 89.7674,
80.4201


 12.9747, 23.8131,
19.0298


 80.4481, 116.0485,
105.6929


 7.4880, 15.1951,
11.5148


 104.5083,
147.0153, 135.7729

 3.8181, 8.9564,
6.2957

 132.9428,
183.0523, 171.0786

 1.5998, 4.7128,
2.9540

 166.1170,
224.5439, 212.0286

 0.3923, 2.0797,
1.0712

204.3962,

 0.0000, 0.6532,

271.8744, 259.0414

0.0000

248.1459,
325.4283, 312.5355

■ 0.0000, 0.0000,
0.0000

■ 30.8600, 49.7251,
42.6218

■ 30.8600, 49.7251,
42.6218

■ 29.6890, 49.1832,
39.8307

■ 32.5130, 50.5150,
45.5706

■ 28.8867, 48.8268,
37.2098

■ 34.7068, 51.5794,
48.6782

■ 37.4960, 52.9477,
51.9501

■ 40.9270, 54.6439,
55.3902

■ 45.0417, 56.6895,
59.0021

■ 49.8784, 59.1041,
62.7892

■ 55.4724, 61.9059,
66.7548

■ 61.8567, 65.1119,
70.9022

■ 69.0623, 68.7381,
75.2342

Harmonies

Analogous

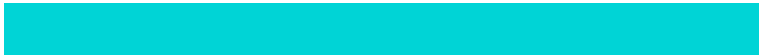
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5259, 49.7251, 24.5307



30.8600, 49.7251, 42.6218



31.1184, 49.7251, 71.9024

Triad

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



30.8600, 49.7251, 42.6218



53.1134, 49.7251, 125.9717



61.6752, 49.7251, 22.9841

Complementary

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



30.8600, 49.7251, 42.6218



29.5391, 16.2443, 11.2538

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.



68.2011, 49.7251, 39.5775



30.8600, 49.7251, 42.6218



62.7989, 49.7251, 101.2305

Square

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



30.8600, 49.7251, 42.6218



43.0468, 49.7251, 127.7012



68.6392, 49.7251, 67.5713



51.7442, 49.7251, 16.2019

Rectangle

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



30.8600, 49.7251, 42.6218



33.4730, 49.7251, 94.5877



68.6392, 49.7251, 67.5713



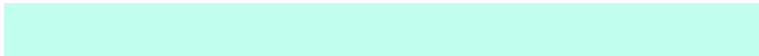
64.3975, 49.7251, 27.2672

Sweetspot

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



30.8614, 49.7270, 42.6230



73.3332, 89.1134, 93.9295



28.1978, 49.0694, 10.1765



15.1326, 18.7926, 19.6586



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.



30.8614, 49.7270, 42.6230



44.6940, 75.1083, 58.2993



28.4761, 36.7209, 67.2172



12.0092, 13.3474, 14.4049



17.4784, 29.4843, 22.6973



1.0104, 1.6618, 1.4436

Inverse Universe

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



29.5391, 16.2443, 11.2538



42.7888, 22.0567, 9.5400



29.8543, 19.1591, 4.3159



11.9448, 11.8627, 12.9852



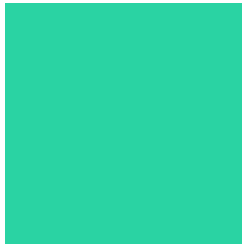
16.7419, 8.5696, 3.5469



0.9704, 0.4929, 0.3788

Previews

White Background



This preview shows how the XYZ color 30.8600, 49.7251, 42.6218 looks on a white background.

Color Contrast Check

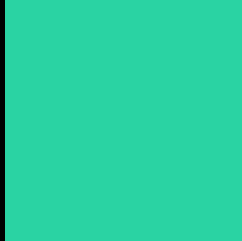
Large Text (above 18pt) WCAG AA × Fail

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 30.8600, 49.7251, 42.6218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

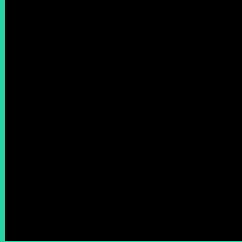
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

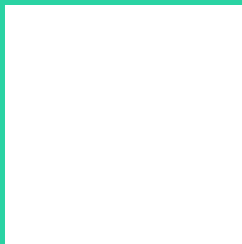
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8600, 49.7251, 42.6218

Background



This preview shows how black text looks on a background with the XYZ color 30.8600, 49.7251, 42.6218.

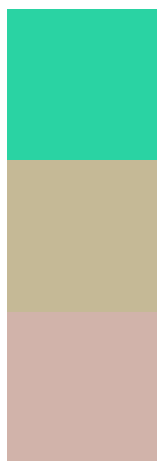


This preview shows how white text looks on a background with the XYZ color 30.8600, 49.7251,

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

30.8600, 49.7251, 42.6218

Protanopia

45.8799, 48.7702, 35.8496

Deuteranopia

49.6703, 48.6978, 44.8119



Tritanopia

37.2547, 49.4157, 75.2848

Trichromacy



Original Color

30.8600, 49.7251, 42.6218



Protanomaly

36.1927, 46.6129, 38.1000



Deuteranomaly

37.8186, 46.3475, 43.5119



Tritanomaly

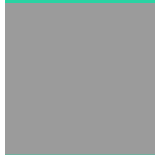
34.4945, 49.3561, 61.7415

Monochromacy



Original Color

30.8600, 49.7251, 42.6218



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.4410, 36.7060, 37.9337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8600, 49.7251, 42.6218 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(42, 211, 163)` looks like.

```
.text, #text, p{  
  color:rgb(42, 211, 163)  
}
```

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(42, 211, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 211, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.8600, 49.7251, 42.6218 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(42, 211, 163) }
```


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

```
.border{ border-color:rgb(42, 211, 163) }
```

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

Here you see how a box with a 4 pixel rgb(42, 211, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 211, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 211, 163);  
box-shadow:4px 4px 4px 4px rgb(42, 211,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8600, 49.7251, 42.6218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 211, 163) }
```

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

```
.background{ background-color: rgb(42, 211,  
163) }
```

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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