

Converting Colors

XYZ(22.4743, 41.3891, 14.7901)

Have a look what the booklet for
XYZ(22.4743, 41.3891, 14.7901)
contains.

XYZ(22.4800, 41.3907, 14.7870)	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(22.4800, 41.3907,
14.7870)**

Conversions

Conversions Part 1

Format	Color
Hex	25C652
RGB	37, 198, 82
RGB Percent	15%, 78%, 32%
CMY	0.8549, 0.2235, 0.6784
CMYK	0.81, 0.00, 0.59, 0.22
HSL	137°, 69%, 46%
HSV	137°, 81%, 78%
XYZ	22.4800, 41.3907, 14.7870
YIQ	136.6370, -58.7200, -70.2080

Conversions

Conversions Part 2

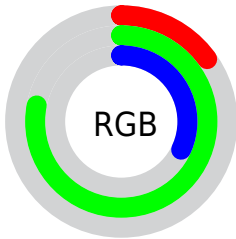
Format	Color
RYB	37, 163, 198
Decimal	2475602
CIELab	70.45, -63.41, 46.25
CIELCh	70, 78.485, 143.896
Yxy	41.3907, 0.2858, 0.5262
Android (android.graphics.Color)	4280665682 (0xFF25C652)
YUV	136.6370, -26.9360, -87.3816
Hunter-Lab	64.3356, -50.2162, 31.4076

Details

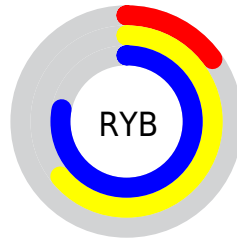
The XYZ color **22.4800, 41.3907, 14.7870** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **29.7011, 15.6294, 31.5890**, and the grayscale version is **23.7559, 24.9931, 27.2175**.

A 20% lighter version of the original color is **46.6887, 76.6488, 35.2556**, and **10.0442, 19.7336, 4.4420** is the 20% darker color. If you saturate the color by 10%, you get **21.4651, 40.9250, 12.1949**, and if you desaturate by 10%, it is **23.9947, 42.1033, 17.9935**.

Distribution



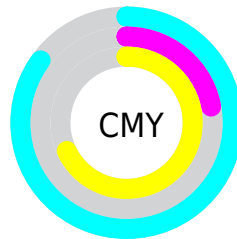
- Red (15%)
- Green (78%)
- Blue (32%)



- Red (15%)
- Yellow (64%)
- Blue (78%)



- Cyan (81%)
- Magenta (0%)
- Yellow (59%)
- Black (22%)





- Cyan (85%)
- Magenta (22%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4800, 41.3907, 14.7870 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 22.4800, 41.3907, 14.7870 by changing the saturation by 10% instead.


 22.4800, 41.3907,
14.7870


 22.4800, 41.3907,
14.7870


257.6283,
351.9509, 233.6695


 14.3286, 28.6245,
8.5251


 47.0110, 77.2766,
35.2161

 8.4328, 18.7969,
4.3402


 64.1214, 101.1652,
50.2203


 4.4272, 11.5236,
1.8138


 84.9487, 129.5299,
68.9757

 1.9466, 6.4202,
0.4370

 109.8585,
162.7553, 91.9009

 0.6037, 3.1022,
0.0000

 139.2159,
201.2257, 119.4143

 0.0000, 1.1853,
0.0000

173.3865,

 0.0000, 0.0497,

245.3255, 151.9345

0.0000

212.7355,
295.4391, 189.8801

■ 0.0000, 0.0000,
0.0000

■ 22.4800, 41.3907,
14.7870

■ 22.4800, 41.3907,
14.7870

■ 21.4651, 40.9250,
12.1949

■ 23.9947, 42.1033,
17.9935

■ 20.8928, 40.6690,
10.4066

■ 26.0671, 43.0886,
21.8481

■ 28.7502, 44.3741,
26.3852

■ 32.0894, 45.9827,
31.6360

■ 36.1260, 47.9352,
37.6297

■ 40.8977, 50.2503,
44.3938

■ 46.4394, 52.9456,
51.9545

■ 52.7838, 56.0373,
60.3368

■ 59.9616, 59.5408,
69.5642

Harmonies

Analogous

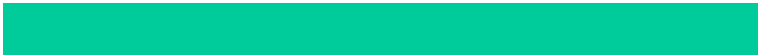
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1055, 41.3907, 6.2846



22.4800, 41.3907, 14.7870



19.4381, 41.3907, 37.9136

Triad

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



22.4800, 41.3907, 14.7870



36.7562, 41.3907, 159.3910



66.7262, 41.3907, 21.9423

Complementary

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



22.4800, 41.3907, 14.7870



29.7011, 15.6294, 31.5890

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.



69.5966, 41.3907, 53.0690



22.4800, 41.3907, 14.7870



50.2941, 41.3907, 146.5241

Square

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



22.4800, 41.3907, 14.7870



26.4354, 41.3907, 130.5310



63.0372, 41.3907, 101.3808



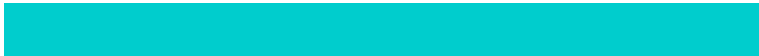
55.8818, 41.3907, 8.5479

Rectangle

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



22.4800, 41.3907, 14.7870



19.8071, 41.3907, 64.4193



63.0372, 41.3907, 101.3808



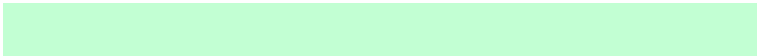
68.7420, 41.3907, 30.0403

Sweetspot

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



22.4810, 41.3924, 14.7879



69.7029, 87.6613, 74.8129



34.0598, 47.4988, 9.1234



14.2639, 18.4451, 15.0845



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.



22.4810, 41.3924, 14.7879



37.0921, 72.0602, 18.6017



27.3413, 43.3365, 40.3819



10.6173, 11.9358, 11.9348



13.6183, 26.4597, 6.9348



0.6765, 1.2655, 0.4952

Inverse Universe

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



29.7011, 15.6294, 31.5890



50.0681, 24.8798, 48.1453



25.2065, 13.8316, 7.9206



10.9518, 10.7641, 12.7293



18.3906, 9.1058, 17.7984



0.9005, 0.4430, 0.9991

Previews

White Background



This preview shows how the XYZ color 22.4800, 41.3907, 14.7870 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 22.4800, 41.3907, 14.7870 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 22.4800, 41.3907, 14.7870

Background



This preview shows how black text looks on a background with the XYZ color 22.4800, 41.3907, 14.7870.



This preview shows how white text looks on a background with the XYZ color 22.4800, 41.3907,

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

22.4800, 41.3907, 14.7870

Protanopia

37.0341, 40.5674, 12.3569

Deuteranopia

41.3235, 40.5224, 15.7688



Tritanopia

31.8478, 41.2662, 61.5449

Trichromacy



Original Color

22.4800, 41.3907, 14.7870



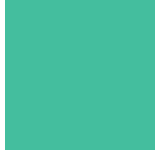
Protanomaly

27.6949, 38.6519, 13.0221



Deuteranomaly

29.1408, 37.8662, 15.0055



Tritanomaly

26.9689, 40.5245, 38.7483

Monochromacy



Original Color

22.4800, 41.3907, 14.7870



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.9759, 28.8473, 21.2922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4800, 41.3907, 14.7870 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(37, 198, 82)` looks like.

```
.text, #text, p{  
    color:rgb(37, 198, 82)  
}
```

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(37, 198, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 198, 82) }
```

Border

The CSS property to change the border of an element to XYZ 22.4800, 41.3907, 14.7870 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(37, 198, 82) }
```


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

```
.border{ border-color:rgb(37, 198, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 198, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 198, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 198, 82);  
box-shadow:4px 4px 4px 4px rgb(37, 198,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4800, 41.3907, 14.7870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 198, 82) }
```

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

```
.background{ background-color: rgb(37, 198,  
82) }
```

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