

Converting Colors

XYZ(24.8091, 42.6785, 25.4491)

Have a look what the booklet for
XYZ(24.8091, 42.6785, 25.4491)
contains.

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Color

**XYZ(24.8113, 42.7031,
25.3472)**

Conversions

Conversions Part 1

Format	Color
Hex	28C77A
RGB	40, 199, 122
RGB Percent	16%, 78%, 48%
CMY	0.8431, 0.2196, 0.5216
CMYK	0.80, 0.00, 0.39, 0.22
HSL	151°, 67%, 47%
HSV	151°, 80%, 78%
XYZ	24.8113, 42.7031, 25.3472
YIQ	142.6810, -70.0470, -57.6550

Conversions

Conversions Part 2

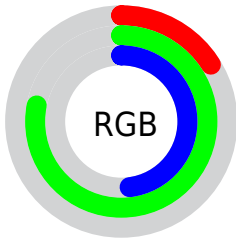
Format	Color
RYB	40, 145, 199
Decimal	2672506
CIELab	71.35, -56.97, 27.58
CIELCh	71, 63.293, 154.171
Yxy	42.7031, 0.2672, 0.4599
Android (android.graphics.Color)	4280862586 (0xFF28C77A)
YUV	142.6810, -10.1957, -90.0512
Hunter-Lab	65.3476, -46.5851, 22.7458

Details

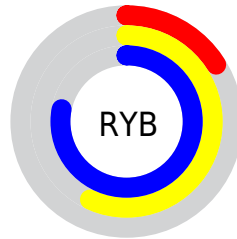
The XYZ color **24.8113, 42.7031, 25.3472** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **27.5241, 14.9448, 18.2649**, and the grayscale version is **26.0416, 27.3977, 29.8361**.

A 20% lighter version of the original color is **50.1800, 78.0599, 52.9797**, and **11.1430, 20.4144, 9.4840** is the 20% darker color. If you saturate the color by 10%, you get **23.6598, 42.1762, 22.3298**, and if you desaturate by 10%, it is **26.4221, 43.4622, 28.6972**.

Distribution



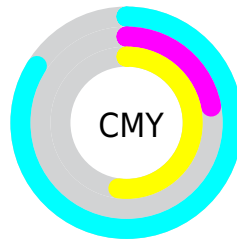
- Red (16%)
- Green (78%)
- Blue (48%)



- Red (16%)
- Yellow (57%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)





- Cyan (84%)
- Magenta (22%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8113, 42.7031, 25.3472 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 24.8113, 42.7031, 25.3472 by changing the saturation by 10% instead.


 24.8113, 42.7031,
25.3472


 24.8113, 42.7031,
25.3472


269.2619,
357.3893, 293.0655


 16.0645, 29.6522,
16.1145


 50.7960, 79.2626,
53.1910


 9.6609, 19.5748,
9.4500


 68.7647, 103.5401,
72.6393


 5.2353, 12.0863,
4.9351


 90.5380, 132.3285,
96.3298

 2.4221, 6.8025,
2.1511

 116.4813,
166.0124, 124.6811

 0.8562, 3.3389,
0.6460

 146.9600,
204.9760, 158.1118

 0.0000, 1.3111,
0.0000

182.3394,

 0.0000, 0.1498,

249.6037, 197.0404

0.0000

222.9850,
300.2801, 241.8854

■ 0.0000, 0.0000,
0.0000

■ 24.8113, 42.7031,
25.3472

■ 24.8113, 42.7031,
25.3472

■ 23.6598, 42.1762,
22.3298

■ 26.4221, 43.4622,
28.6972

■ 22.8613, 41.8236,
19.6282

■ 28.5443, 44.4767,
32.3879

■ 22.8538, 41.8203,
19.6023

■ 31.2260, 45.7725,
36.4309

■ 34.5087, 47.3707,
40.8360

■ 38.4298, 49.2904,
45.6127

■ 43.0233, 51.5491,
50.7699

■ 48.3211, 54.1629,
56.3163

■ 54.3526, 57.1470,
62.2604

■ 61.1459, 60.5155,
68.6101

Harmonies

Analogous

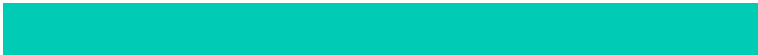
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1428, 42.7031, 12.9050



24.8113, 42.7031, 25.3472



23.4049, 42.7031, 50.8918

Triad

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



24.8113, 42.7031, 25.3472



42.0951, 42.7031, 132.8904



59.9875, 42.7031, 20.7315

Complementary

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



24.8113, 42.7031, 25.3472



27.5241, 14.9448, 18.2649

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.



64.6163, 42.7031, 42.3617



24.8113, 42.7031, 25.3472



53.2041, 42.7031, 113.8152

Square

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



24.8113, 42.7031, 25.3472



32.3073, 42.7031, 121.7363



61.9400, 42.7031, 76.9983



50.1750, 42.7031, 11.1745

Rectangle

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



24.8113, 42.7031, 25.3472



24.6315, 42.7031, 74.8666



61.9400, 42.7031, 76.9983



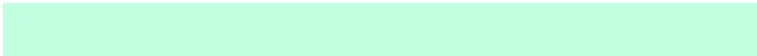
62.2724, 42.7031, 26.3870

Sweetspot

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



24.8124, 42.7048, 25.3482



71.5969, 88.4189, 84.7863



28.4843, 44.9593, 9.1845



14.7142, 18.6253, 17.4556



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.



24.8124, 42.7048, 25.3482



40.3635, 73.3761, 35.4953



31.6086, 45.4233, 61.1366



10.7220, 11.9777, 12.4862



14.7394, 26.9081, 12.8384



0.7344, 1.2887, 0.8001

Inverse Universe

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



27.5241, 14.9448, 18.2649



45.2967, 23.0598, 22.7463



24.6961, 13.8136, 3.3724



10.8443, 10.7211, 12.1632



16.5578, 8.3727, 8.1472



0.8206, 0.4111, 0.5783

Previews

White Background



This preview shows how the XYZ color 24.8113, 42.7031, 25.3472 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 24.8113, 42.7031, 25.3472 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 24.8113, 42.7031, 25.3472

Background



This preview shows how black text looks on a background with the XYZ color 24.8113, 42.7031, 25.3472.

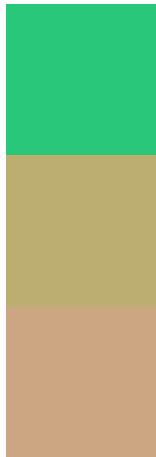


This preview shows how white text looks on a background with the XYZ color 24.8113, 42.7031,

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

24.8113, 42.7031, 25.3472

Protanopia

38.6072, 41.7484, 21.3527

Deuteranopia

42.5673, 41.7215, 26.9286



Tritanopia

32.4049, 42.4603, 63.6145

Trichromacy



Original Color

24.8113, 42.7031, 25.3472



Protanomaly

29.7119, 39.7852, 22.6363



Deuteranomaly

31.2528, 39.3024, 26.0176



Tritanomaly

28.8899, 42.3197, 46.6903

Monochromacy



Original Color

24.8113, 42.7031, 25.3472



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.4142, 31.0078, 27.6727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8113, 42.7031, 25.3472 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(40, 199, 122)` looks like.

```
.text, #text, p{  
    color:rgb(40, 199, 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(40, 199, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.8113, 42.7031, 25.3472 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(40, 199, 122) }
```


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

```
.border{ border-color:rgb(40, 199, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 199, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 199, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 199, 122);  
box-shadow:4px 4px 4px 4px rgb(40, 199,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8113, 42.7031, 25.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 122) }
```

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

```
.background{ background-color: rgb(40, 199,  
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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