

Converting Colors

XYZ(24.2665, 42.2179, 13.1253)

Have a look what the booklet for
XYZ(24.2665, 42.2179, 13.1253)
contains.

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Color

**XYZ(24.3772, 42.4057,
13.2036)**

Conversions

Conversions Part 1

Format	Color
Hex	4CC649
RGB	76, 198, 73
RGB Percent	30%, 78%, 29%
CMY	0.7020, 0.2235, 0.7137
CMYK	0.62, 0.00, 0.63, 0.22
HSL	119°, 52%, 53%
HSV	119°, 63%, 78%
XYZ	24.3772, 42.4057, 13.2036
YIQ	147.2720, -32.5870, -64.7390

Conversions

Conversions Part 2

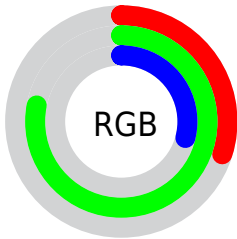
Format	Color
RYB	73, 198, 195
Decimal	5031497
CIELab	71.15, -57.97, 51.26
CIElCh	71, 77.385, 138.512
Yxy	42.4057, 0.3048, 0.5302
Android (android.graphics.Color)	4283221577 (0xFF4CC649)
YUV	147.2720, -36.6161, -62.5055
Hunter-Lab	65.1197, -47.1389, 33.5622

Details

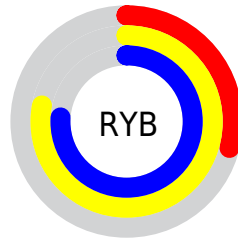
The XYZ color **24.3772, 42.4057, 13.2036** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **35.0835, 20.4459, 55.5256**, and the grayscale version is **28.0034, 29.4618, 32.0839**.

A 20% lighter version of the original color is **49.8424, 78.3447, 32.2337**, and **9.9017, 19.6766, 3.6916** is the 20% darker color. If you saturate the color by 10%, you get **22.5111, 41.5091, 10.2183**, and if you desaturate by 10%, it is **26.9154, 43.6271, 17.3127**.

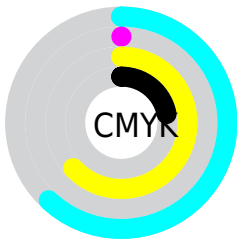
Distribution



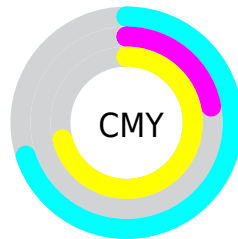
- Red (30%)
- Green (78%)
- Blue (29%)



- Red (29%)
- Yellow (78%)
- Blue (76%)



- Cyan (62%)
- Magenta (0%)
- Yellow (63%)
- Black (22%)



- Cyan (70%)
- Magenta (22%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3772, 42.4057, 13.2036 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 24.3772, 42.4057, 13.2036 by changing the saturation by 10% instead.

■ 24.3772, 42.4057,
13.2036

■ 24.3772, 42.4057,
13.2036

267.1272,
356.1620, 223.4719

■ 15.7399, 29.4191,
7.4365

■ 50.0952, 78.8133,
32.3656

■ 9.4300, 19.3981,
3.6540

■ 67.9067, 103.0030,
46.5976

■ 5.0820, 11.9583,
1.4375

■ 89.5070, 131.6959,
64.4884

■ 2.3307, 6.7153,
0.1707

■ 115.2613,
165.2764, 86.4564

■ 0.8103, 3.2847,
0.0000

■ 145.5352,
204.1289, 112.9202

■ 0.0000, 1.2821,
0.0000

180.6939,

■ 0.0000, 0.1273,

248.6377, 144.2984

0.0000

221.1028,
299.1873, 181.0094

■ 0.0000, 0.0000,
0.0000

■ 24.3772, 42.4057,
13.2036

■ 24.3772, 42.4057,
13.2036

■ 22.5111, 41.5091,
10.2183

■ 26.9154, 43.6271,
17.3127

■ 21.2507, 40.9017,
8.2434

■ 30.1779, 45.1945,
22.6391

■ 20.5214, 40.5493,
7.1467

■ 34.2155, 47.1334,
29.2696

■ 20.2544, 40.4205,
6.7344

■ 39.0734, 49.4654,
37.2823

■ 44.7935, 52.2106,
46.7492

■ 51.4145, 55.3875,
57.7374

■ 58.9732, 59.0137,
70.3098

■ 67.5040, 63.1057,
84.5255

■ 77.0398, 67.6792,
100.4408

Harmonies

Analogous

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



32.9025, 42.4057, 6.1839



24.3772, 42.4057, 13.2036



20.4913, 42.4057, 33.3723

Triad

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



24.3772, 42.4057, 13.2036



35.5452, 42.4057, 157.3008



68.8404, 42.4057, 27.0241

Complementary

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



24.3772, 42.4057, 13.2036



35.0835, 20.4459, 55.5256

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.



69.9752, 42.4057, 61.8874



24.3772, 42.4057, 13.2036



48.7428, 42.4057, 152.2343

Square

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



24.3772, 42.4057, 13.2036



25.9534, 42.4057, 122.8801



61.9925, 42.4057, 111.3889



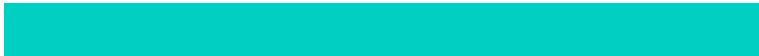
59.1612, 42.4057, 10.6985

Rectangle

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



24.3772, 42.4057, 13.2036



20.3486, 42.4057, 57.5576



61.9925, 42.4057, 111.3889



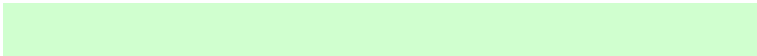
70.3002, 42.4057, 36.3976

Sweetspot

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



24.3782, 42.4075, 13.2046



72.8990, 89.3712, 72.1516



43.7479, 50.9984, 13.8419



14.9993, 18.8392, 14.4444



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.



24.3782, 42.4075, 13.2046



38.8442, 73.0120, 16.4886



27.0625, 43.4543, 28.5538



10.5206, 11.8998, 11.3052



13.1817, 26.2907, 4.3799



0.6326, 1.2492, 0.2078

Inverse Universe

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



35.0835, 20.4459, 55.5256



59.2803, 30.9681, 97.4608



30.3818, 18.6556, 26.6833



11.0570, 10.8032, 13.4199



20.9837, 10.0518, 35.5786



1.0017, 0.4801, 1.6850

Previews

White Background



This preview shows how the XYZ color 24.3772, 42.4057, 13.2036 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 24.3772, 42.4057, 13.2036 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 24.3772, 42.4057, 13.2036

Background



This preview shows how black text looks on a background with the XYZ color 24.3772, 42.4057, 13.2036.



This preview shows how white text looks on a background with the XYZ color 24.3772, 42.4057,

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

24.3772, 42.4057, 13.2036

Protanopia

37.9193, 41.6179, 11.1888

Deuteranopia

42.4570, 41.6809, 13.9911



Tritanopia

33.8377, 41.9939, 60.9658

Trichromacy



Original Color

24.3772, 42.4057, 13.2036



Protanomaly

30.3798, 40.3696, 11.8212



Deuteranomaly

32.2377, 39.7953, 13.3793



Tritanomaly

29.0701, 41.6468, 37.0783

Monochromacy



Original Color

24.3772, 42.4057, 13.2036



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.9115, 32.6935, 22.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3772, 42.4057, 13.2036 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(76, 198, 73)` looks like.

```
.text, #text, p{  
    color:rgb(76, 198, 73)  
}
```

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(76, 198, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 198, 73) }
```

Border

The CSS property to change the border of an element to XYZ 24.3772, 42.4057, 13.2036 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(76, 198, 73) }
```


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

```
.border{ border-color:rgb(76, 198, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 198, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 198, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 198, 73);  
box-shadow:4px 4px 4px 4px rgb(76, 198,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3772, 42.4057, 13.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 198, 73) }
```

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

```
.background{ background-color: rgb(76, 198,  
73) }
```

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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