

Converting Colors

XYZ(30.2382, 47.0554, 42.3676)

Have a look what the booklet for
XYZ(30.2382, 47.0554, 42.3676)
contains.

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Color

**XYZ(30.3057, 47.2676,
42.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	3CCDA3
RGB	60, 205, 163
RGB Percent	24%, 80%, 64%
CMY	0.7647, 0.1961, 0.3608
CMYK	0.71, 0.00, 0.20, 0.20
HSL	163°, 59%, 52%
HSV	163°, 71%, 80%
XYZ	30.3057, 47.2676, 42.1766
YIQ	156.8570, -72.9380, -43.8020

Conversions

Conversions Part 2

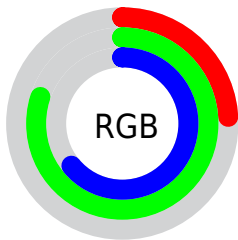
Format	Color
RYB	60, 145, 205
Decimal	3984803
CIELab	74.36, -47.90, 10.00
CIELCh	74, 48.934, 168.206
Yxy	47.2676, 0.2531, 0.3947
Android (android.graphics.Color)	4282174883 (0xFF3CCDA3)
YUV	156.8570, 3.0285, -84.9436
Hunter-Lab	68.7514, -41.6320, 11.7537

Details

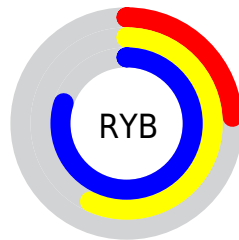
The XYZ color **30.3057, 47.2676, 42.1766** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.1926, 17.1715, 14.3484**, and the grayscale version is **31.9953, 33.6616, 36.6575**.

A 20% lighter version of the original color is **57.0191, 81.0176, 78.9624**, and **13.7756, 22.9604, 18.7447** is the 20% darker color. If you saturate the color by 10%, you get **28.7793, 46.5420, 39.3933**, and if you desaturate by 10%, it is **32.3392, 48.2541, 45.1162**.

Distribution



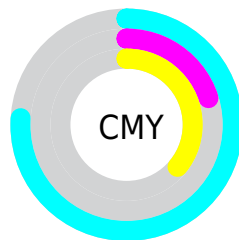
- Red (24%)
- Green (80%)
- Blue (64%)



- Red (24%)
- Yellow (57%)
- Blue (80%)



- Cyan (71%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)



- Cyan (76%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3057, 47.2676, 42.1766 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 30.3057, 47.2676, 42.1766 by changing the saturation by 10% instead.

■ 30.3057, 47.2676,
42.1766

■ 30.3057, 47.2676,
42.1766

295.2111,
375.8817, 371.0357

■ 20.2200, 33.2473,
28.9130

■ 59.5286, 86.1129,
79.7398

■ 12.6642, 22.3159,
18.7700

■ 79.3965, 111.7067,
104.8765

■ 7.2731, 14.0892,
11.3291

■ 103.2558,
141.9271, 134.8079

■ 3.6813, 8.1827,
6.1717

■ 131.4719,
177.1584, 169.9527

■ 1.5235, 4.2121,
2.8793

■ 164.4101,
217.7852, 210.7293

■ 0.3417, 1.7929,
1.0333

202.4358,

■ 0.0000, 0.4827,

264.1917, 257.5563

0.0000

245.9144,
316.7624, 310.8523

■ 0.0000, 0.0000,
0.0000

■ 30.3057, 47.2676,
42.1766

■ 30.3057, 47.2676,
42.1766

■ 28.7793, 46.5420,
39.3933

■ 32.3392, 48.2541,
45.1162

■ 27.6968, 46.0411,
36.7584

■ 34.9257, 49.5217,
48.2128

■ 26.9908, 45.7277,
34.4429

■ 38.1103, 51.0946,
51.4712

■ 41.9323, 52.9931,
54.8951

■ 46.4274, 55.2355,
58.4876

■ 51.6288, 57.8390,
62.2520

■ 57.5673, 60.8194,
66.1913

■ 64.2719, 64.1915,
70.3084

■ 71.7701, 67.9696,
74.6061

Harmonies

Analogous

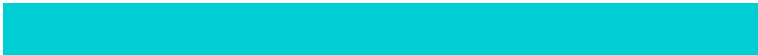
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4476, 47.2676, 25.4396



30.3057, 47.2676, 42.1766



30.6843, 47.2676, 68.1531

Triad

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



30.3057, 47.2676, 42.1766



50.4272, 47.2676, 112.6466



57.1831, 47.2676, 23.1166

Complementary

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



30.3057, 47.2676, 42.1766



29.1926, 17.1715, 14.3484

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.



63.0082, 47.2676, 37.7533



30.3057, 47.2676, 42.1766



58.7703, 47.2676, 91.0244

Square

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



30.3057, 47.2676, 42.1766



41.5534, 47.2676, 115.0295



63.6243, 47.2676, 62.0290



48.4773, 47.2676, 17.0945

Rectangle

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



30.3057, 47.2676, 42.1766



32.8908, 47.2676, 87.6640



63.6243, 47.2676, 62.0290



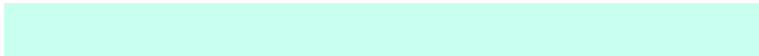
59.5894, 47.2676, 26.9220

Sweetspot

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



30.3070, 47.2695, 42.1777



75.6208, 90.2608, 95.4763



28.2996, 46.9041, 11.8378



15.7245, 19.0891, 20.0785



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.



30.3070, 47.2695, 42.1777



46.1067, 75.7521, 62.1847



28.4098, 36.4210, 63.2922



11.3993, 12.6695, 13.6604



16.8452, 28.4834, 21.6676



0.9009, 1.4822, 1.2859

Inverse Universe

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



29.1926, 17.1715, 14.3484



44.2919, 23.6026, 14.5426



29.5664, 20.4517, 6.6652



11.3438, 11.2662, 12.3448



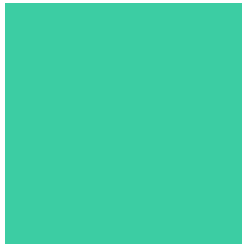
16.2073, 8.2935, 3.5443



0.8694, 0.4412, 0.3584

Previews

White Background



This preview shows how the XYZ color 30.3057, 47.2676, 42.1766 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 30.3057, 47.2676, 42.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

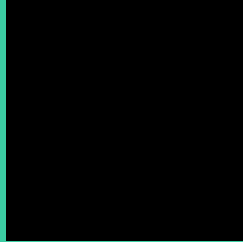
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

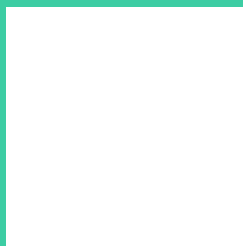
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3057, 47.2676, 42.1766

Background



This preview shows how black text looks on a background with the XYZ color 30.3057, 47.2676, 42.1766.

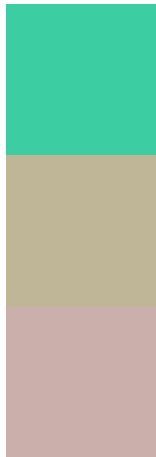


This preview shows how white text looks on a background with the XYZ color 30.3057, 47.2676,

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

30.3057, 47.2676, 42.1766

Protanopia

43.5956, 46.3585, 35.9285

Deuteranopia

47.2143, 46.2587, 44.4706



Tritanopia

35.9878, 47.1280, 70.8182

Trichromacy



Original Color

30.3057, 47.2676, 42.1766



Protanomaly

35.6575, 45.0331, 37.8233



Deuteranomaly

37.2965, 44.4871, 43.1804



Tritanomaly

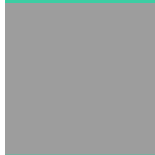
33.6386, 47.2093, 58.9691

Monochromacy



Original Color

30.3057, 47.2676, 42.1766



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.4201, 36.9129, 38.3752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3057, 47.2676, 42.1766 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(60, 205, 163)` looks like.

```
.text, #text, p{  
    color:rgb(60, 205, 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(60, 205, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 205, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.3057, 47.2676, 42.1766 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(60, 205, 163) }
```


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

```
.border{ border-color:rgb(60, 205, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 205, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 205, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 205, 163);  
box-shadow:4px 4px 4px 4px rgb(60, 205,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3057, 47.2676, 42.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 205, 163) }
```

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

```
.background{ background-color: rgb(60, 205,  
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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