

Converting Colors

XYZ(24.0285, 33.1029, 47.0070)

Have a look what the booklet for
XYZ(24.0285, 33.1029, 47.0070)
contains.

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Color

**XYZ(24.0670, 33.0971,
47.2394)**

Conversions

Conversions Part 1

Format	Color
Hex	35ABB2
RGB	53, 171, 178
RGB Percent	21%, 67%, 70%
CMY	0.7921, 0.3294, 0.3020
CMYK	0.70, 0.04, 0.00, 0.30
HSL	183°, 54%, 45%
HSV	183°, 70%, 70%
XYZ	24.0670, 33.0971, 47.2394
YIQ	136.5160, -72.5750, -22.8390

Conversions

Conversions Part 2

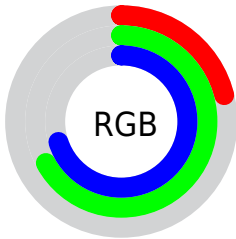
Format	Color
RYB	53, 114, 178
Decimal	3517362
CIELab	64.24, -29.54, -13.06
CIELCh	64, 32.296, 203.858
Yxy	33.0971, 0.2305, 0.3170
Android (android.graphics.Color)	4281707442 (0xFF35ABB2)
YUV	136.5160, 20.4516, -73.2435
Hunter-Lab	57.5301, -26.0044, -8.4135

Details

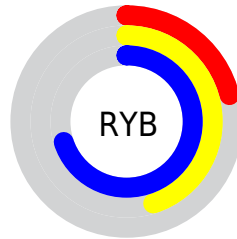
The XYZ color **24.0670, 33.0971, 47.2394** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.6193, 12.9546, 4.7828**, and the grayscale version is **23.5417, 24.7677, 26.9720**.

A 20% lighter version of the original color is **49.6565, 64.6606, 87.7055**, and **10.1801, 14.4375, 21.6522** is the 20% darker color. If you saturate the color by 10%, you get **23.1121, 32.3271, 47.1417**, and if you desaturate by 10%, it is **25.3728, 34.0515, 47.3554**.

Distribution



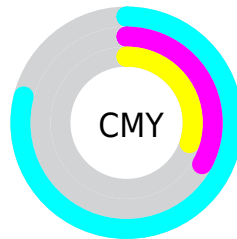
- Red (21%)
- Green (67%)
- Blue (70%)



- Red (21%)
- Yellow (45%)
- Blue (70%)



- Cyan (70%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)



- Cyan (79%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0670, 33.0971, 47.2394 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 24.0670, 33.0971, 47.2394 by changing the saturation by 10% instead.

■ 24.0670, 33.0971,
47.2394

■ 24.0670, 33.0971,
47.2394

265.5932,
316.0870, 392.1907

■ 15.5083, 22.2008,
32.8692

■ 49.5934, 64.5271,
87.4246

■ 9.2655, 14.0045,
21.7560

■ 67.2918, 85.8296,
114.0767

■ 4.9733, 8.1238,
13.4811

■ 88.7676, 111.3697,
145.6599

■ 2.2662, 4.1743,
7.6261

■ 114.3860,
141.5317, 182.5927

■ 0.7773, 1.7715,
3.7723

■ 144.5124,
176.7001, 225.2936

■ 0.0000, 0.4693,
1.5013

179.5121,

■ 0.0000, 0.0000,

217.2591, 274.1812

0.2189

219.7506,
263.5933, 329.6741

■ 0.0000, 0.0000,
0.0000

■ 24.0670, 33.0971,
47.2394

■ 24.0670, 33.0971,
47.2394

■ 23.1121, 32.3271,
47.1417

■ 25.3728, 34.0515,
47.3554

■ 22.4642, 31.7168,
47.0581

■ 27.0611, 35.2045,
47.4890

■ 22.0451, 31.2325,
46.9867

■ 29.1631, 36.5729,
47.6423

■ 31.7062, 38.1708,
47.8167

■ 34.7153, 40.0110,
48.0133

■ 38.2136, 42.1056,
48.2332

■ 42.2226, 44.4656,
48.4774

■ 46.7626, 47.1015,
48.7469

■ 51.8528, 50.0231,
49.0426

Harmonies

Analogous

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



23.4842, 33.0971, 33.4036



24.0670, 33.0971, 47.2394



26.5413, 33.0971, 60.5022

Triad

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



24.0670, 33.0971, 47.2394



39.1245, 33.0971, 53.0660



32.4102, 33.0971, 16.3174

Complementary

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



24.0670, 33.0971, 47.2394



20.6193, 12.9546, 4.7828

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.



36.9468, 33.0971, 19.2566



24.0670, 33.0971, 47.2394



41.0584, 33.0971, 38.8056

Square

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



24.0670, 33.0971, 47.2394



35.1585, 33.0971, 64.3975



40.2252, 33.0971, 26.7626



28.0264, 33.0971, 17.5326

Rectangle

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



24.0670, 33.0971, 47.2394



29.0708, 33.0971, 66.1232



40.2252, 33.0971, 26.7626



33.9720, 33.0971, 16.8239

Sweetspot

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



24.0680, 33.0983, 47.2402



62.2855, 72.1523, 87.0252



18.1853, 32.9168, 9.5678



13.4567, 15.7770, 19.2583



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.0680, 33.0983, 47.2402



41.2326, 58.0096, 85.4050



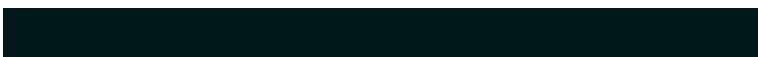
15.0004, 14.9632, 44.2177



8.7011, 9.5484, 10.8908



15.7888, 22.3780, 33.6242



0.5090, 0.7286, 1.0620

Inverse Universe

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



26.9848, 14.9524, 39.9933



47.0298, 23.7230, 70.6021



25.9325, 23.5810, 6.5539



8.8291, 8.6383, 10.5983



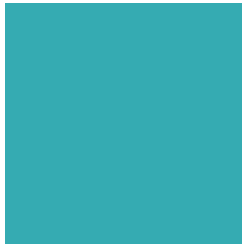
18.2041, 8.7992, 27.2985



0.5790, 0.2793, 0.8915

Previews

White Background



This preview shows how the XYZ color 24.0670, 33.0971, 47.2394 looks on a white background.

Color Contrast Check

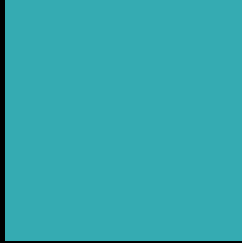
Large Text (above 18pt) WCAG AA × Fail

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 24.0670, 33.0971, 47.2394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

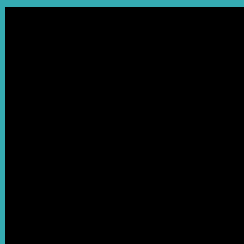
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

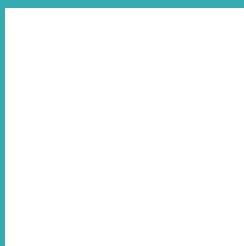
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0670, 33.0971, 47.2394

Background



This preview shows how black text looks on a background with the XYZ color 24.0670, 33.0971, 47.2394.

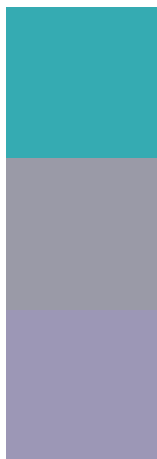


This preview shows how white text looks on a background with the XYZ color 24.0670, 33.0971,

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

24.0670, 33.0971, 47.2394

Protanopia

31.8571, 32.7712, 41.2057

Deuteranopia

33.2204, 32.5785, 48.7934



Tritanopia

24.7138, 33.0800, 50.4299

Trichromacy



Original Color

24.0670, 33.0971, 47.2394



Protanomaly

27.2576, 31.8638, 43.2418



Deuteranomaly

28.1751, 31.7119, 48.3521



Tritanomaly

24.4491, 32.9676, 49.3307

Monochromacy



Original Color

24.0670, 33.0971, 47.2394



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.3588, 26.8261, 33.7053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0670, 33.0971, 47.2394 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(53, 171, 178)` looks like.

```
.text, #text, p{  
    color:rgb(53, 171, 178)  
}
```

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(53, 171, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 171, 178) }
```

Border

The CSS property to change the border of an element to XYZ 24.0670, 33.0971, 47.2394 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(53, 171, 178) }
```


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

```
.border{ border-color:rgb(53, 171, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 171, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 171, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 171, 178);  
box-shadow:4px 4px 4px 4px rgb(53, 171,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0670, 33.0971, 47.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 171, 178) }
```

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

```
.background{ background-color: rgb(53, 171,  
178) }
```

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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