

Converting Colors

XYZ(24.2283, 33.6419, 46.6628)

Have a look what the booklet for
XYZ(24.2283, 33.6419, 46.6628)
contains.

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Color

**XYZ(24.3476, 33.8183,
46.8393)**

Conversions

Conversions Part 1

Format	Color
Hex	35ADB1
RGB	53, 173, 177
RGB Percent	21%, 68%, 69%
CMY	0.7921, 0.3216, 0.3059
CMYK	0.70, 0.02, 0.00, 0.31
HSL	182°, 54%, 45%
HSV	182°, 70%, 69%
XYZ	24.3476, 33.8183, 46.8393
YIQ	137.5760, -72.8040, -24.1960

Conversions

Conversions Part 2

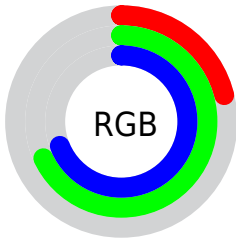
Format	Color
RYB	53, 114, 177
Decimal	3517873
CIELab	64.82, -30.81, -11.64
CIElCh	65, 32.930, 200.693
Yxy	33.8183, 0.2319, 0.3221
Android (android.graphics.Color)	4281707953 (0xFF35ADB1)
YUV	137.5760, 19.4360, -74.1732
Hunter-Lab	58.1535, -27.0346, -7.0472

Details

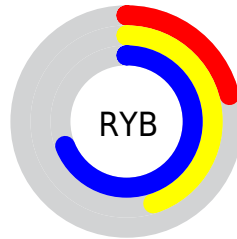
The XYZ color **24.3476, 33.8183, 46.8393** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.2380, 12.5314, 4.7214**, and the grayscale version is **23.9457, 25.1928, 27.4349**.

A 20% lighter version of the original color is **50.1985, 65.7734, 87.1406**, and **10.3546, 14.8882, 21.3967** is the 20% darker color. If you saturate the color by 10%, you get **23.4744, 33.2067, 46.7679**, and if you desaturate by 10%, it is **25.5669, 34.6105, 46.9286**.

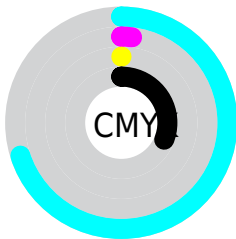
Distribution



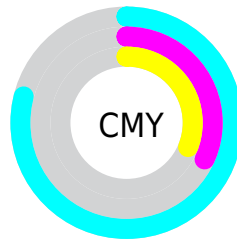
- Red (21%)
- Green (68%)
- Blue (69%)



- Red (21%)
- Yellow (45%)
- Blue (69%)



- Cyan (70%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (79%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3476, 33.8183, 46.8393 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 24.3476, 33.8183, 46.8393 by changing the saturation by 10% instead.

■ 24.3476, 33.8183,
46.8393

■ 24.3476, 33.8183,
46.8393

266.9811,
319.3211, 390.5479

■ 15.7178, 22.7540,
32.5552

■ 50.0474, 65.6510,
86.8212

■ 9.4143, 14.4120,
21.5176

■ 67.8481, 87.1883,
113.3560

■ 5.0716, 8.4078,
13.3080

■ 89.4365, 112.9853,
144.8115

■ 2.3245, 4.3570,
7.5077

■ 115.1779,
143.4265, 181.6062

■ 0.8072, 1.8752,
3.6984

■ 145.4378,
178.8963, 224.1587

■ 0.0000, 0.5334,
1.4614

180.5813,

■ 0.0000, 0.0000,

219.7791, 272.8874

0.1889

220.9740,
266.4592, 328.2110

■ 0.0000, 0.0000,
0.0000

■ 24.3476, 33.8183,
46.8393

■ 24.3476, 33.8183,
46.8393

■ 23.4744, 33.2067,
46.7679

■ 25.5669, 34.6105,
46.9286

■ 22.9042, 32.7513,
46.7100

■ 27.1632, 35.5969,
47.0348

■ 22.5542, 32.4110,
46.6628

■ 29.1673, 36.7943,
47.1603

■ 31.6062, 38.2166,
47.3063

■ 34.5045, 39.8763,
47.4739

■ 37.8849, 41.7853,
47.6642

■ 41.7686, 43.9545,
47.8782

■ 46.1757, 46.3941,
48.1168

■ 51.1250, 49.1140,
48.3810

Harmonies

Analogous

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



23.9607, 33.8183, 32.7597



24.3476, 33.8183, 46.8393



26.7077, 33.8183, 60.9417

Triad

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



24.3476, 33.8183, 46.8393



39.7251, 33.8183, 55.9596



33.6401, 33.8183, 16.6008

Complementary

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



24.3476, 33.8183, 46.8393



20.2380, 12.5314, 4.7214

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.



38.2705, 33.8183, 20.0908



24.3476, 33.8183, 46.8393



42.0042, 33.8183, 41.2078

Square

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



24.3476, 33.8183, 46.8393



35.4732, 33.8183, 67.0419



41.4472, 33.8183, 28.3462



29.0285, 33.8183, 17.4015

Rectangle

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



24.3476, 33.8183, 46.8393



29.2226, 33.8183, 67.3646



41.4472, 33.8183, 28.3462



35.2523, 33.8183, 17.2708

Sweetspot

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



24.3486, 33.8196, 46.8401



61.0689, 71.0027, 84.9815



17.8824, 32.4784, 8.9504



12.9212, 15.2086, 18.3989



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.3486, 33.8196, 46.8401



41.4290, 58.9999, 83.6999



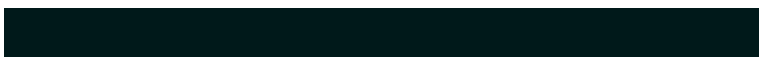
15.3029, 15.7280, 43.8249



8.7187, 9.5836, 10.8966



16.3500, 23.5003, 33.8113



0.5217, 0.7539, 1.0663

Inverse Universe

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



26.9483, 14.9115, 40.9943



46.4832, 23.3891, 72.0768



25.1442, 22.3436, 6.3567



8.8380, 8.6419, 10.6451



18.4874, 8.9125, 28.7902



0.5854, 0.2819, 0.9251

Previews

White Background



This preview shows how the XYZ color 24.3476, 33.8183, 46.8393 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 24.3476, 33.8183, 46.8393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

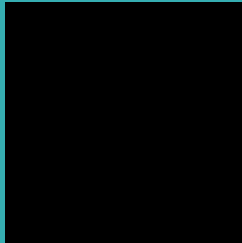
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3476, 33.8183, 46.8393

Background



This preview shows how black text looks on a background with the XYZ color 24.3476, 33.8183, 46.8393.

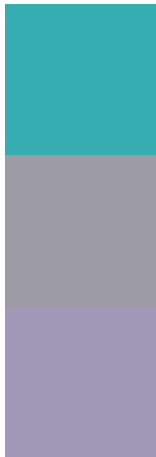


This preview shows how white text looks on a background with the XYZ color 24.3476, 33.8183,

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

24.3476, 33.8183, 46.8393

Protanopia

32.3146, 33.2638, 40.7938

Deuteranopia

33.9698, 33.2048, 48.8747



Tritanopia

25.3604, 33.9498, 51.6707

Trichromacy



Original Color

24.3476, 33.8183, 46.8393



Protanomaly

27.7838, 32.6649, 42.8708



Deuteranomaly

28.5548, 32.4300, 47.9346



Tritanomaly

24.9307, 33.7647, 50.0030

Monochromacy



Original Color

24.3476, 33.8183, 46.8393



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.7975, 27.5260, 33.8173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3476, 33.8183, 46.8393 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, 173, 177)` looks like.

```
.text, #text, p{  
    color:rgb(53, 173, 177)  
}
```

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, 173, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 173, 177) }
```

Border

The CSS property to change the border of an element to XYZ 24.3476, 33.8183, 46.8393 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, 173, 177) }
```


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

```
.border{ border-color:rgb(53, 173, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 173, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 173, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 173, 177);  
box-shadow:4px 4px 4px 4px rgb(53, 173,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3476, 33.8183, 46.8393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 173, 177) }
```

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

```
.background{ background-color: rgb(53, 173,  
177) }
```

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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