

Converting Colors

XYZ(24.0695, 33.1284, 49.0901)

Have a look what the booklet for
XYZ(24.0695, 33.1284, 49.0901)
contains.

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Color

**XYZ(23.9856, 33.0199,
48.8254)**

Conversions

Conversions Part 1

Format	Color
Hex	2DABB5
RGB	45, 171, 181
RGB Percent	18%, 67%, 71%
CMY	0.8235, 0.3294, 0.2902
CMYK	0.75, 0.06, 0.00, 0.29
HSL	184°, 60%, 44%
HSV	184°, 75%, 71%
XYZ	23.9856, 33.0199, 48.8254
YIQ	134.4660, -78.3060, -23.6020

Conversions

Conversions Part 2

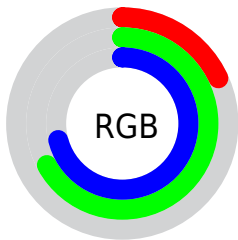
Format	Color
R_{YB}	45, 110, 181
Decimal	2993077
CIE _{Lab}	64.18, -29.62, -14.85
CIE _{LCh}	64, 33.136, 206.618
Yxy	33.0199, 0.2266, 0.3120
Android (android.graphics.Color)	4281183157 (0xFF2DABB5)
YUV	134.4660, 22.9413, -78.4617
Hunter-Lab	57.4629, -26.0525, -10.1538

Details

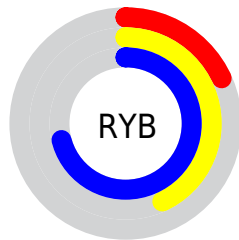
The XYZ color **23.9856, 33.0199, 48.8254** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.8968, 12.7467, 3.8426**, and the grayscale version is **22.7718, 23.9577, 26.0899**.

A 20% lighter version of the original color is **49.5652, 64.5633, 89.9704**, and **10.3747, 14.5154, 22.6770** is the 20% darker color. If you saturate the color by 10%, you get **23.1035, 32.1945, 48.7132**, and if you desaturate by 10%, it is **25.2136, 34.0287, 48.9560**.

Distribution



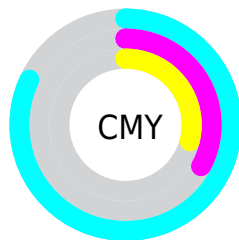
- Red (18%)
- Green (67%)
- Blue (71%)



- Red (18%)
- Yellow (43%)
- Blue (71%)



- Cyan (75%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)





- Cyan (82%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9856, 33.0199, 48.8254 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 23.9856, 33.0199, 48.8254 by changing the saturation by 10% instead.


 23.9856, 33.0199,
48.8254

 23.9856, 33.0199,
48.8254

265.1895,
315.7394, 398.6572


 15.4476, 22.1417,
34.1164


 49.4615, 64.4066,
89.8104


 9.2225, 13.9610,
22.7049


 67.1302, 85.6839,
116.9234


 4.9449, 8.0936,
14.1725


 88.5732, 111.1963,
149.0082

 2.2494, 4.1549,
8.1006

 114.1558,
141.3283, 186.4833

 0.7686, 1.7606,
4.0707

 144.2433,
176.4642, 229.7672

 0.0000, 0.4624,
1.6642

179.2012,

 0.0000, 0.0000,

216.9884, 279.2784

0.3360

219.3948,
263.2853, 335.4356

■ 0.0000, 0.0000,
0.0000

■ 23.9856, 33.0199,
48.8254

■ 23.9856, 33.0199,
48.8254

■ 23.1035, 32.1945,
48.7132

■ 25.2136, 34.0287,
48.9560

■ 22.5165, 31.5244,
48.6148

■ 26.8232, 35.2374,
49.1045

■ 22.2867, 31.2283,
48.5698

■ 28.8492, 36.6644,
49.2731

■ 31.3213, 38.3252,
49.4634

■ 34.2668, 40.2339,
49.6766

■ 37.7106, 42.4033,
49.9138

■ 41.6761, 44.8454,
50.1762

■ 46.1848, 47.5714,
50.4647

■ 51.2574, 50.5919,
50.7804

Harmonies

Analogous

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



23.2075, 33.0199, 34.4491



23.9856, 33.0199, 48.8254



26.6746, 33.0199, 62.1517

Triad

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



23.9856, 33.0199, 48.8254



39.5423, 33.0199, 52.1377



31.9201, 33.0199, 15.8268

Complementary

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



23.9856, 33.0199, 48.8254



20.8968, 12.7467, 3.8426

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.



36.6183, 33.0199, 18.3970



23.9856, 33.0199, 48.8254



41.2865, 33.0199, 37.5001

Square

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



23.9856, 33.0199, 48.8254



35.6054, 33.0199, 64.3748



40.1669, 33.0199, 25.5688



27.5110, 33.0199, 17.4382

Rectangle

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



23.9856, 33.0199, 48.8254



29.3410, 33.0199, 67.4271



40.1669, 33.0199, 25.5688



33.5206, 33.0199, 16.2101

Sweetspot

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



23.9866, 33.0211, 48.8262



62.3831, 72.7021, 89.0396



18.2744, 33.8734, 9.0745



13.0433, 15.4326, 19.2136



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.



23.9866, 33.0211, 48.8262



40.6530, 56.8654, 87.1281



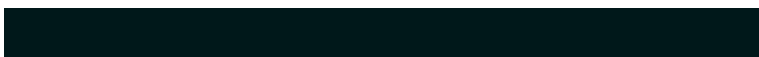
14.3675, 13.7828, 45.6198



8.6881, 9.5225, 10.8864



15.3857, 21.5718, 33.4899



0.4999, 0.7103, 1.0590

Inverse Universe

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



27.3460, 14.6418, 39.9142



47.2408, 23.3439, 69.0862



26.4985, 23.9501, 5.7099



8.8225, 8.6357, 10.5639



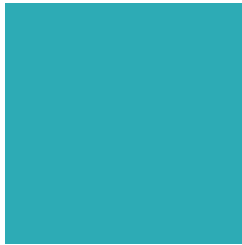
18.0007, 8.7178, 26.2271



0.5743, 0.2775, 0.8671

Previews

White Background



This preview shows how the XYZ color 23.9856, 33.0199, 48.8254 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 23.9856, 33.0199, 48.8254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

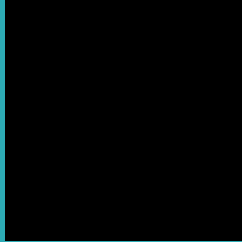
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9856, 33.0199, 48.8254

Background



This preview shows how black text looks on a background with the XYZ color 23.9856, 33.0199, 48.8254.

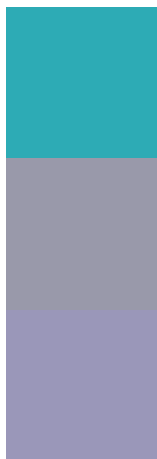


This preview shows how white text looks on a background with the XYZ color 23.9856, 33.0199,

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

23.9856, 33.0199, 48.8254

Protanopia

31.7838, 32.4570, 42.6199

Deuteranopia

33.1500, 32.5060, 50.4260



Tritanopia

24.2454, 32.8385, 50.4080

Trichromacy



Original Color

23.9856, 33.0199, 48.8254

Protanomaly

27.1502, 31.7750, 44.7466

Deuteranomaly

27.8180, 31.4918, 49.9598

Tritanomaly

24.0943, 32.7727, 49.8556

Monochromacy



Original Color

23.9856, 33.0199, 48.8254

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.4991, 25.9266, 33.1494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9856, 33.0199, 48.8254 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(45, 171, 181)` looks like.

```
.text, #text, p{  
    color:rgb(45, 171, 181)  
}
```

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(45, 171, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 171, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.9856, 33.0199, 48.8254 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(45, 171, 181) }
```


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

```
.border{ border-color:rgb(45, 171, 181) }
```

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

Here you see how a box with a 4 pixel rgb(45, 171, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 171, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 171, 181);  
box-shadow:4px 4px 4px 4px rgb(45, 171,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9856, 33.0199, 48.8254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 171, 181) }
```

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

```
.background{ background-color: rgb(45, 171,  
181) }
```

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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