

# Converting Colors

XYZ(24.9844, 36.8907, 35.0692)

Have a look what the booklet for  
XYZ(24.9844, 36.8907, 35.0692)  
contains.

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# Color

**XYZ(24.9338, 36.7380,  
35.0551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AB597
RGB	74, 181, 151
RGB Percent	29%, 71%, 59%
CMY	0.7098, 0.2902, 0.4078
CMYK	0.59, 0.00, 0.17, 0.29
HSL	163°, 42%, 50%
HSV	163°, 59%, 71%
XYZ	24.9338, 36.7380, 35.0551
YIQ	145.5870, -54.1420, -32.0140

# Conversions

## Conversions Part 2

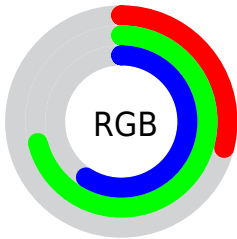
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 136, 181
Decimal	4896151
CIELab	67.08, -38.03, 6.17
CIElCh	67, 38.524, 170.790
Yxy	36.7380, 0.2578, 0.3798
Android (android.graphics.Color)	4283086231 (0xFF4AB597)
YUV	145.5870, 2.6686, -62.7818
Hunter-Lab	60.6119, -32.6416, 8.1377

# Details

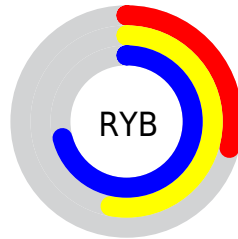
The XYZ color **24.9338, 36.7380, 35.0551** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.0047, 15.7217, 14.8674**, and the grayscale version is **27.1588, 28.5732, 31.1162**.

A 20% lighter version of the original color is **50.8194, 69.8817, 68.5677**, and **9.8896, 16.0988, 14.6427** is the 20% darker color. If you saturate the color by 10%, you get **23.3325, 35.9601, 32.8753**, and if you desaturate by 10%, it is **26.9557, 37.7326, 37.3489**.

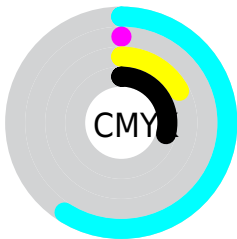
# Distribution



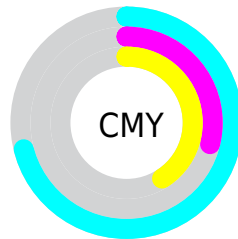
- Red (29%)
- Green (71%)
- Blue (59%)



- Red (29%)
- Yellow (53%)
- Blue (71%)



- Cyan (59%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)




- Cyan (71%)
- Magenta (29%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9338, 36.7380, 35.0551 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 24.9338, 36.7380, 35.0551 by changing the saturation by 10% instead.





 24.9338, 36.7380,  
35.0551


 24.9338, 36.7380,  
35.0551


269.8618,  
332.1748, 339.7231


 16.1562, 25.0047,  
23.4214


 50.9935, 70.1696,  
68.7237


 9.7263, 16.0806,  
14.6968


 69.0063, 92.6368,  
91.5956


 5.2787, 9.5812,  
8.4626


 90.8282, 119.4506,  
119.0508

 2.4482, 5.1222,  
4.3004

 116.8245,  
150.9956, 151.5076

 0.8692, 2.3191,  
1.7915

 147.3607,  
187.6562, 189.3848

 0.0000, 0.7838,  
0.4224

182.8021,

 0.0000, 0.0000,

229.8166, 233.1007

0.0000

223.5140,  
277.8614, 283.0740

■ 24.9338, 36.7380,  
35.0551

■ 24.9338, 36.7380,  
35.0551

■ 23.3325, 35.9601,  
32.8753

■ 26.9557, 37.7326,  
37.3489

■ 22.1132, 35.3761,  
30.8040

■ 29.4267, 38.9557,  
39.7566

■ 21.2350, 34.9659,  
28.8390

■ 32.3762, 40.4234,  
42.2817

■ 20.6211, 34.6900,  
26.9755

■ 35.8301, 42.1490,  
44.9263

■ 20.5707, 34.6676,  
26.8151

■ 39.8126, 44.1449,  
47.6927

■ 44.3461, 46.4228,  
50.5830

■ 49.4519, 48.9934,  
53.5992

■ 55.1499, 51.8672,  
56.7433

■ 61.4593, 55.0539,  
60.0172

# Harmonies

## Analogous

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



26.8941, 36.7380, 22.8710



24.9338, 36.7380, 35.0551



25.4069, 36.7380, 52.5855

# Triad

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



24.9338, 36.7380, 35.0551



39.0731, 36.7380, 78.3966



42.5378, 36.7380, 19.8433

# Complementary

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



24.9338, 36.7380, 35.0551



24.0047, 15.7217, 14.8674

# 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.



46.5490, 36.7380, 29.6045



24.9338, 36.7380, 35.0551



44.3983, 36.7380, 64.0694

# Square

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



24.9338, 36.7380, 35.0551



33.1456, 36.7380, 81.0659



47.2655, 36.7380, 45.3925



36.7532, 36.7380, 15.8523



# Rectangle

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



24.9338, 36.7380, 35.0551



27.0624, 36.7380, 65.0075



47.2655, 36.7380, 45.3925



44.1642, 36.7380, 22.4044

# Sweetspot

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



24.9348, 36.7395, 35.0560



64.7134, 75.7577, 80.8542



23.5068, 36.5058, 12.2864



13.5775, 16.1691, 17.1755



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.



24.9348, 36.7395, 35.0560



41.0461, 64.0444, 57.7169



23.3612, 29.1846, 48.1198



8.6390, 9.5901, 10.3586



14.2112, 23.9104, 18.6466



0.4705, 0.7617, 0.7096



# Inverse Universe

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



24.0047, 15.7217, 14.8674



39.2776, 22.9643, 18.5030



24.5849, 18.9025, 8.8318



8.5911, 8.5431, 9.3449



13.5711, 6.9460, 2.9013

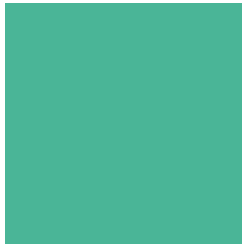


0.4525, 0.2288, 0.2256



# Previews

## White Background



This preview shows how the XYZ color 24.9338, 36.7380, 35.0551 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 24.9338, 36.7380, 35.0551 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 24.9338, 36.7380, 35.0551**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.9338, 36.7380, 35.0551.



This preview shows how white text looks on a background with the XYZ color 24.9338, 36.7380,



# 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

24.9338, 36.7380, 35.0551

### Protanopia

34.3056, 36.3098, 30.3997

### Deuteranopia

36.8801, 36.2175, 36.4994



## Tritanopia

28.8441, 36.8431, 54.3064

# Trichromacy



## Original Color

24.9338, 36.7380, 35.0551



## Protanomaly

29.2905, 35.5712, 32.1102



## Deuteranomaly

30.4535, 35.2683, 35.7742



## Tritanomaly

27.3241, 36.8144, 46.7400

# Monochromacy



## Original Color

24.9338, 36.7380, 35.0551



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

25.4892, 30.9275, 32.6431

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.9338, 36.7380, 35.0551 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(74, 181, 151)` looks like.

```
.text, #text, p{  
    color:rgb(74, 181, 151)  
}
```

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(74, 181, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 181, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 24.9338, 36.7380, 35.0551 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(74, 181, 151) }
```



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

```
.border{ border-color:rgb(74, 181, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 181, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 181, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 181, 151);  
box-shadow:4px 4px 4px 4px rgb(74, 181,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.9338, 36.7380, 35.0551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 181, 151) }
```

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

```
.background{ background-color: rgb(74, 181,  
151) }
```

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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