

Converting Colors

XYZ(24.9161, 34.1662, 35.7196)

Have a look what the booklet for
XYZ(24.9161, 34.1662, 35.7196)
contains.

XYZ(24.8996, 34.0623, 35.8342)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.8996, 34.0623,
35.8342)**

Conversions

Conversions Part 1

Format	Color
Hex	5BAC9A
RGB	91, 172, 154
RGB Percent	36%, 67%, 60%
CMY	0.6431, 0.3255, 0.3961
CMYK	0.47, 0.00, 0.10, 0.33
HSL	167°, 33%, 52%
HSV	167°, 47%, 67%
XYZ	24.8996, 34.0623, 35.8342
YIQ	145.7290, -42.4980, -22.7700

Conversions

Conversions Part 2

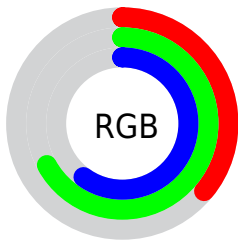
Format	Color
RYB	91, 137, 172
Decimal	6007962
CIELab	65.01, -29.26, 1.59
CIElCh	65, 29.303, 176.885
Yxy	34.0623, 0.2627, 0.3593
Android (android.graphics.Color)	4284198042 (0xFF5BAC9A)
YUV	145.7290, 4.0776, -47.9973
Hunter-Lab	58.3629, -25.9809, 4.4506

Details

The XYZ color **24.8996, 34.0623, 35.8342** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **23.5157, 17.3578, 16.5801**, and the grayscale version is **27.2077, 28.6247, 31.1723**.

A 20% lighter version of the original color is **50.9826, 66.1519, 69.7560**, and **9.6722, 14.4963, 15.1202** is the 20% darker color. If you saturate the color by 10%, you get **23.0814, 33.1620, 34.1141**, and if you desaturate by 10%, it is **27.1185, 35.1697, 37.6275**.

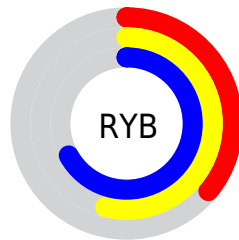
Distribution



Red (36%)

Green (67%)

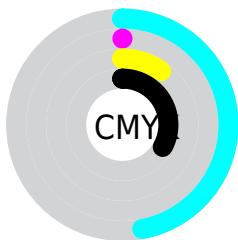
Blue (60%)



Red (36%)

Yellow (54%)

Blue (67%)

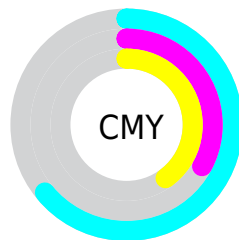


Cyan (47%)

Magenta (0%)

Yellow (10%)

Black (33%)



Cyan (64%)

Magenta (33%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8996, 34.0623, 35.8342 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 24.8996, 34.0623, 35.8342 by changing the saturation by 10% instead.

■ 24.8996, 34.0623,
35.8342

■ 24.8996, 34.0623,
35.8342

269.6944,
320.4098, 343.2507

■ 16.1306, 22.9415,
24.0175

■ 50.9384, 66.0305,
69.9422

■ 9.7081, 14.5503,
15.1343

■ 68.9388, 87.6467,
93.0707

■ 5.2666, 8.5044,
8.7660

■ 90.7472, 113.5302,
120.8067

■ 2.4409, 4.4194,
4.4942

■ 116.7288,
144.0652, 153.5690

■ 0.8655, 1.9108,
1.9002

147.2489,
179.6363, 191.7760

■ 0.0000, 0.5549,
0.4928

182.6730,

■ 0.0000, 0.0000,

220.6279, 235.8462

0.0000

223.3664,
267.4242, 286.1983

■ 24.8996, 34.0623,
35.8342

■ 24.8996, 34.0623,
35.8342

■ 23.0814, 33.1620,
34.1141

■ 27.1185, 35.1697,
37.6275

■ 21.6339, 32.4509,
32.4630

■ 29.7597, 36.4927,
39.4932

■ 20.5277, 31.9145,
30.8799


■ 32.8465, 38.0443,
41.4337


■ 19.7275, 31.5348,
29.3625


■ 36.3999, 39.8351,
43.4504


■ 19.1810, 31.2847,
27.9080


■ 40.4393, 41.8754,
45.5447

 19.0407, 31.2213,
27.4955

 44.9832, 44.1744,
47.7178

 50.0489, 46.7413,
49.9710

 55.6531, 49.5845,
52.3057

 61.8116, 52.7122,
54.7228

Harmonies

Analogous

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



26.0171, 34.0623, 25.7414



24.8996, 34.0623, 35.8342



25.6362, 34.0623, 48.6768

Triad

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



24.8996, 34.0623, 35.8342



36.2026, 34.0623, 62.0462



37.0352, 34.0623, 20.7711

Complementary

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



24.8996, 34.0623, 35.8342



23.5157, 17.3578, 16.5801

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.



40.2024, 34.0623, 27.5021



24.8996, 34.0623, 35.8342



39.6930, 34.0623, 51.3579

Square

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



24.8996, 34.0623, 35.8342



31.9344, 34.0623, 65.6197



41.2147, 34.0623, 38.3708



32.8201, 34.0623, 18.3217

Rectangle

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



24.8996, 34.0623, 35.8342



27.1180, 34.0623, 56.8707



41.2147, 34.0623, 38.3708



38.2714, 34.0623, 22.5246

Sweetspot

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



24.9006, 34.0637, 35.8350



61.3304, 69.8935, 76.1894



23.0598, 33.5704, 15.1623



13.0479, 15.0481, 16.3933



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.9006, 34.0637, 35.8350



41.5999, 60.0245, 61.6021



22.7320, 27.1444, 43.0726



8.1590, 9.0412, 9.8622



14.1900, 23.2413, 20.5720



0.4134, 0.6540, 0.6703

Inverse Universe

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



23.5157, 17.3578, 16.5801



38.7890, 25.8457, 22.3191



24.7632, 21.2481, 12.6941



8.0754, 8.0434, 8.7080



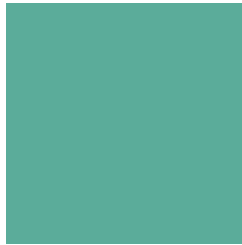
12.9413, 6.6391, 2.0705



0.3801, 0.1927, 0.1636

Previews

White Background



This preview shows how the XYZ color 24.8996, 34.0623, 35.8342 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 24.8996, 34.0623, 35.8342 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

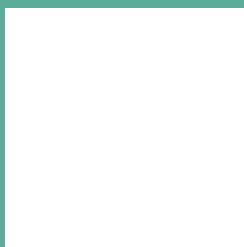
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8996, 34.0623, 35.8342

Background



This preview shows how black text looks on a background with the XYZ color 24.8996, 34.0623, 35.8342.

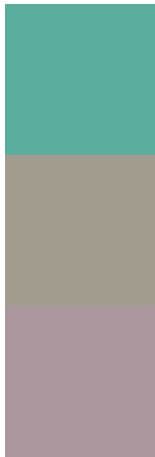


This preview shows how white text looks on a background with the XYZ color 24.8996, 34.0623,

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

24.8996, 34.0623, 35.8342

Protanopia

31.8996, 33.5026, 31.5734

Deuteranopia

34.1944, 33.5830, 37.0277



Tritanopia

27.5917, 34.0353, 49.3712

Trichromacy



Original Color

24.8996, 34.0623, 35.8342

Protanomaly

28.4190, 33.2130, 32.9299

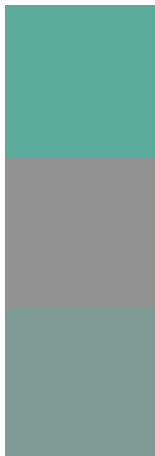
Deuteranomaly

29.6393, 32.9814, 36.7022

Tritanomaly

26.4582, 33.8413, 44.1673

Monochromacy



Original Color

24.8996, 34.0623, 35.8342

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.7503, 30.0482, 32.8765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8996, 34.0623, 35.8342 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(91, 172, 154)` looks like.

```
.text, #text, p{  
    color:rgb(91, 172, 154)  
}
```

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(91, 172, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 172, 154) }
```

Border

The CSS property to change the border of an element to XYZ 24.8996, 34.0623, 35.8342 is called "border". The border property can be set on classes, ids or directly on the HTML element.

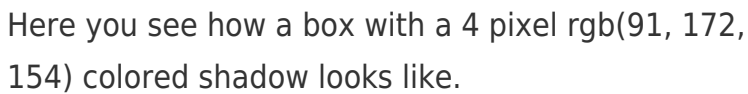
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 172, 154) }
```


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

```
.border{ border-color:rgb(91, 172, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 172, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 172, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 172, 154);  
box-shadow:4px 4px 4px 4px rgb(91, 172,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8996, 34.0623, 35.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 172, 154) }
```

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

```
.background{ background-color: rgb(91, 172,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor