

Converting Colors

XYZ(24.9238, 33.8984, 38.9631)

Have a look what the booklet for
XYZ(24.9238, 33.8984, 38.9631)
contains.

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Color

**XYZ(25.0233, 34.0567,
38.9729)**

Conversions

Conversions Part 1

Format	Color
Hex	56ACA1
RGB	86, 172, 161
RGB Percent	34%, 67%, 63%
CMY	0.6627, 0.3255, 0.3686
CMYK	0.50, 0.00, 0.06, 0.33
HSL	172°, 34%, 51%
HSV	172°, 50%, 67%
XYZ	25.0233, 34.0567, 38.9729
YIQ	145.0320, -47.7250, -21.6530

Conversions

Conversions Part 2

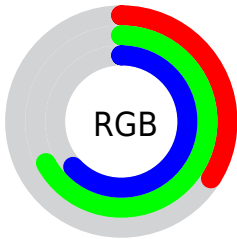
Format	Color
RYB	86, 132, 172
Decimal	5680289
CIELab	65.01, -28.71, -2.33
CIELCh	65, 28.807, 184.649
Yxy	34.0567, 0.2552, 0.3473
Android (android.graphics.Color)	4283870369 (0xFF56ACA1)
YUV	145.0320, 7.8722, -51.7711
Hunter-Lab	58.3581, -25.5879, 1.2555

Details

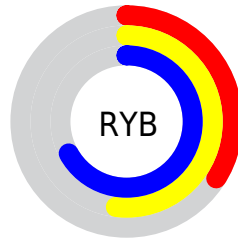
The XYZ color **25.0233, 34.0567, 38.9729** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.4999, 16.2903, 13.2690**, and the grayscale version is **26.9104, 28.3118, 30.8316**.

A 20% lighter version of the original color is **51.2934, 66.1955, 75.0393**, and **9.7646, 14.5016, 17.0363** is the 20% darker color. If you saturate the color by 10%, you get **23.4341, 33.2605, 37.8951**, and if you desaturate by 10%, it is **26.9990, 35.0534, 40.0881**.

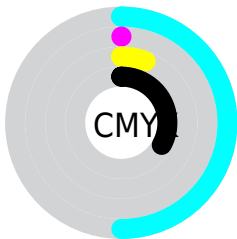
Distribution



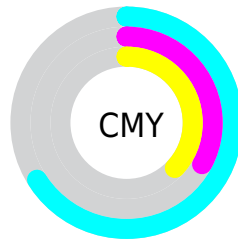
- Red (34%)
- Green (67%)
- Blue (63%)



- Red (34%)
- Yellow (52%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)





- Cyan (66%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0233, 34.0567, 38.9729 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 25.0233, 34.0567, 38.9729 by changing the saturation by 10% instead.


 25.0233, 34.0567,
38.9729


 25.0233, 34.0567,
38.9729


270.2995,
320.3848, 357.1978


 16.2232, 22.9372,
26.4310


 51.1376, 66.0218,
74.8168


 9.7741, 14.5471,
16.9177


 69.1826, 87.6362,
98.9559

 5.3106, 8.5022,
10.0145


 91.0400, 113.5177,
127.7977

 2.4672, 4.4179,
5.3028

 117.0750,
144.0506, 161.7609

 0.8788, 1.9100,
2.3642

147.6531,
179.6194, 201.2640

 0.0000, 0.5544,
0.7668

183.1397,

 0.0000, 0.0000,

220.6084, 246.7254

0.0000

223.9000,
267.4021, 298.5639

■ 25.0233, 34.0567,
38.9729

■ 25.0233, 34.0567,
38.9729

■ 23.4341, 33.2605,
37.8951

■ 26.9990, 35.0534,
40.0881

■ 22.2006, 32.6464,
36.8510

■ 29.3832, 36.2595,
41.2396

■ 21.2922, 32.1996,
35.8397

■ 32.1999, 37.6881,
42.4293

■ 20.6717, 31.9008,
34.8595

■ 35.4702, 39.3503,
43.6584

■ 20.2581, 31.7082,
33.9064

■ 39.2141, 41.2561,
44.9278

■ 20.2580, 31.7082,
33.9063

■ 43.4502, 43.4152,
46.2385

■ 48.1960, 45.8367,
47.5914

■ 53.4683, 48.5293,
48.9874

■ 59.2830, 51.5010,
50.4273

Harmonies

Analogous

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



25.6562, 34.0567, 28.1000



25.0233, 34.0567, 38.9729



26.2164, 34.0567, 51.7165

Triad

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



25.0233, 34.0567, 38.9729



37.1418, 34.0567, 59.3410



35.9227, 34.0567, 19.9716

Complementary

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



25.0233, 34.0567, 38.9729



22.4999, 16.2903, 13.2690

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.



39.4180, 34.0567, 25.5068



25.0233, 34.0567, 38.9729



40.1631, 34.0567, 47.7990

Square

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



25.0233, 34.0567, 38.9729



33.0236, 34.0567, 64.9743



41.0297, 34.0567, 35.2532



31.7249, 34.0567, 18.5920

Rectangle

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



25.0233, 34.0567, 38.9729



27.9523, 34.0567, 59.1206



41.0297, 34.0567, 35.2532



37.2300, 34.0567, 21.3395

Sweetspot

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



25.0243, 34.0580, 38.9737



61.1145, 69.7415, 78.0158



21.4129, 32.7454, 13.9967



13.0239, 15.0255, 16.8563



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.



25.0243, 34.0580, 38.9737



42.2404, 60.2018, 68.5380



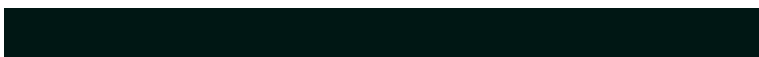
20.7316, 23.8510, 42.5423



8.1916, 9.0542, 10.0338



15.0888, 23.6008, 25.3051



0.4318, 0.6614, 0.7674

Inverse Universe

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



22.4999, 16.2903, 13.2690



37.1536, 24.2444, 16.6270



25.1178, 22.2909, 11.7835



8.0454, 8.0314, 8.5499



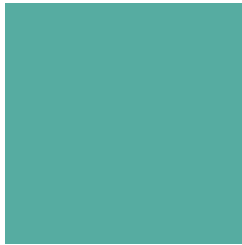
12.7803, 6.5747, 1.2226



0.3683, 0.1880, 0.1012

Previews

White Background



This preview shows how the XYZ color 25.0233, 34.0567, 38.9729 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 25.0233, 34.0567, 38.9729 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

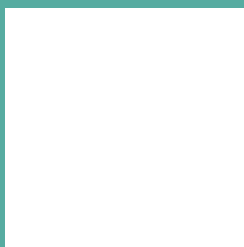
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0233, 34.0567, 38.9729

Background



This preview shows how black text looks on a background with the XYZ color 25.0233, 34.0567, 38.9729.

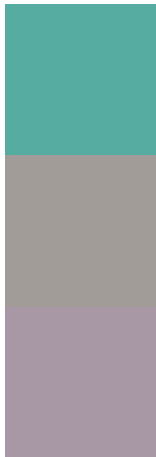


This preview shows how white text looks on a background with the XYZ color 25.0233, 34.0567,

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

25.0233, 34.0567, 38.9729

Protanopia

32.2539, 33.6210, 34.4953

Deuteranopia

34.1682, 33.4979, 40.2622



Tritanopia

27.1457, 34.0805, 49.4034

Trichromacy



Original Color

25.0233, 34.0567, 38.9729

Protanomaly

28.6682, 33.2756, 35.9222

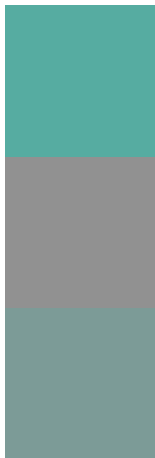
Deuteranomaly

29.5802, 32.8799, 39.9094

Tritanomaly

26.2312, 33.9791, 45.2205

Monochromacy



Original Color

25.0233, 34.0567, 38.9729

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.6194, 29.9621, 33.7111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0233, 34.0567, 38.9729 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(86, 172, 161)` looks like.

```
.text, #text, p{  
    color:rgb(86, 172, 161)  
}
```

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(86, 172, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 172, 161) }
```

Border

The CSS property to change the border of an element to XYZ 25.0233, 34.0567, 38.9729 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(86, 172, 161) }
```


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

```
.border{ border-color:rgb(86, 172, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 172, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 172, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 172, 161);  
box-shadow:4px 4px 4px 4px rgb(86, 172,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0233, 34.0567, 38.9729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 172, 161) }
```

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

```
.background{ background-color: rgb(86, 172,  
161) }
```

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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