

Converting Colors

XYZ(25.8566, 34.1418, 58.7968)

Have a look what the booklet for
XYZ(25.8566, 34.1418, 58.7968)
contains.

XYZ(25.7823, 34.0136, 58.6325)	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(25.7823, 34.0136,
58.6325)**

Conversions

Conversions Part 1

Format	Color
Hex	27ACC6
RGB	39, 172, 198
RGB Percent	15%, 67%, 78%
CMY	0.8470, 0.3255, 0.2235
CMYK	0.80, 0.13, 0.00, 0.22
HSL	190°, 67%, 46%
HSV	190°, 80%, 78%
XYZ	25.7823, 34.0136, 58.6325
YIQ	135.1970, -87.6140, -20.1100

Conversions

Conversions Part 2

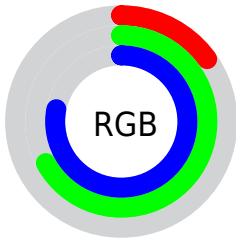
Format	Color
R _Y B	39, 111, 198
Decimal	2600134
CIE Lab	64.97, -25.36, -23.10
CIE LCh	65, 34.304, 222.339
Yxy	34.0136, 0.2177, 0.2872
Android (android.graphics.Color)	4280790214 (0xFF27ACC6)
YUV	135.1970, 30.9619, -84.3648
Hunter-Lab	58.3212, -23.1518, -18.7817

Details

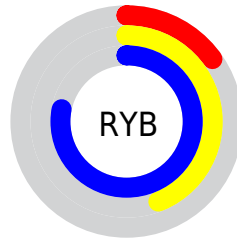
The XYZ color **25.7823, 34.0136, 58.6325** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **25.5466, 15.9347, 3.6500**, and the grayscale version is **23.0162, 24.2149, 26.3700**.

A 20% lighter version of the original color is **52.4755, 66.1515, 104.6105**, and **11.6309, 15.2073, 28.7078** is the 20% darker color. If you saturate the color by 10%, you get **24.6101, 32.5062, 58.4040**, and if you desaturate by 10%, it is **27.3626, 35.7550, 58.8860**.

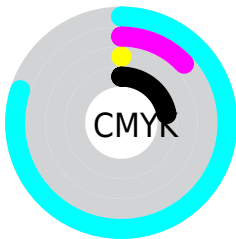
Distribution



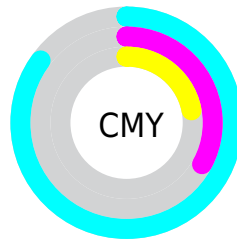
- Red (15%)
- Green (67%)
- Blue (78%)



- Red (15%)
- Yellow (44%)
- Blue (78%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7823, 34.0136, 58.6325 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 25.7823, 34.0136, 58.6325 by changing the saturation by 10% instead.

■ 25.7823, 34.0136,
58.6325

■ 25.7823, 34.0136,
58.6325

273.9881,
320.1927, 437.2026

■ 16.7927, 22.9040,
41.8993

■ 52.3573, 65.9548,
104.3672

■ 10.1812, 14.5227,
28.6975

■ 70.6735, 87.5553,
134.2058

■ 5.5824, 8.4851,
18.6085

■ 92.8291, 113.4215,
169.2499

■ 2.6311, 4.4069,
11.2138

■ 119.1897,
143.9378, 209.9181

■ 0.9618, 1.9037,
6.0948

■ 150.1205,
179.4888, 256.6290

■ 0.0000, 0.5506,
2.8331

185.9870,

■ 0.0000, 0.0000,

220.4586, 309.8009

1.0101

227.1544,
267.2318, 369.8526

■ 0.0000, 0.0000,
0.0000

■ 25.7823, 34.0136,
58.6325

■ 25.7823, 34.0136,
58.6325

■ 24.6101, 32.5062,
58.4040

■ 27.3626, 35.7550,
58.8860

■ 23.7608, 31.2125,
58.1990

■ 29.4014, 37.7545,
59.1645

■ 31.9450, 40.0368,
59.4709

■ 35.0330, 42.6226,
59.8073

■ 38.7012, 45.5303,
60.1752

■ 42.9822, 48.7770,
60.5762

■ 47.9060, 52.3783,
61.0118

■ 53.5007, 56.3488,
61.4834

■ 59.7928, 60.7023,
61.9920

Harmonies

Analogous

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



23.8822, 34.0136, 43.1803



25.7823, 34.0136, 58.6325



29.5222, 34.0136, 69.6141

Triad

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



25.7823, 34.0136, 58.6325



42.2892, 34.0136, 45.9504



30.3344, 34.0136, 16.2551

Complementary

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



25.7823, 34.0136, 58.6325



25.5466, 15.9347, 3.6500

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.



35.3080, 34.0136, 16.6370



25.7823, 34.0136, 58.6325



42.5638, 34.0136, 31.5023

Square

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



25.7823, 34.0136, 58.6325



39.1834, 34.0136, 61.1016



39.8993, 34.0136, 21.5232



26.3244, 34.0136, 20.2987

Rectangle

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



25.7823, 34.0136, 58.6325



32.7194, 34.0136, 71.5571



39.8993, 34.0136, 21.5232



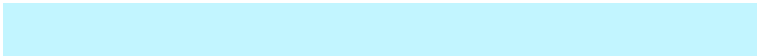
31.9415, 34.0136, 15.9066

Sweetspot

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



25.7834, 34.0148, 58.6333



72.8968, 83.9629, 106.9721



21.9250, 41.1777, 11.4751



15.0238, 17.5307, 22.8419



0.0000, 0.0000, 0.0000



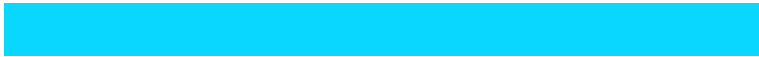
20.3446, 21.4041, 23.3091

Same Dimension

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



25.7834, 34.0148, 58.6333



42.4700, 55.8705, 103.1534



15.0921, 12.6322, 55.0696



10.7934, 11.7608, 13.6187



15.5053, 20.4044, 37.8656



0.7747, 1.0471, 1.8064

Inverse Universe

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



31.4616, 16.4366, 40.5453



53.6124, 26.3861, 66.5358



33.3815, 31.6046, 6.2617



11.0057, 10.7857, 13.0135



19.6257, 9.5998, 24.3024



0.9497, 0.4627, 1.2583

Previews

White Background



This preview shows how the XYZ color 25.7823, 34.0136, 58.6325 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 25.7823, 34.0136, 58.6325 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

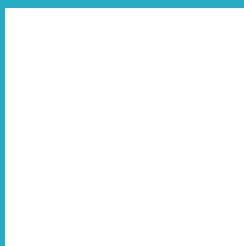
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7823, 34.0136, 58.6325

Background



This preview shows how black text looks on a background with the XYZ color 25.7823, 34.0136, 58.6325.

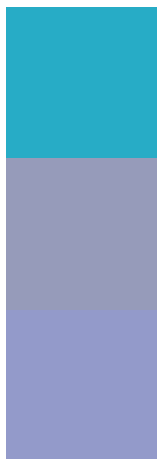


This preview shows how white text looks on a background with the XYZ color 25.7823, 34.0136,

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

25.7823, 34.0136, 58.6325

Protanopia

33.1619, 33.4719, 51.1673

Deuteranopia

34.2489, 33.5785, 60.5533



Tritanopia

24.6651, 34.1360, 52.8659

Trichromacy



Original Color

25.7823, 34.0136, 58.6325

Protanomaly

28.4695, 32.5224, 53.4922

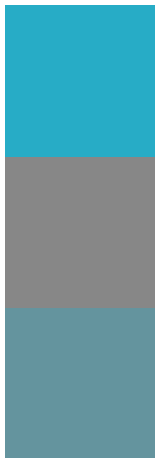
Deuteranomaly

29.4718, 32.8949, 60.0544

Tritanomaly

25.0231, 33.9842, 55.1099

Monochromacy



Original Color

25.7823, 34.0136, 58.6325

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.0170, 26.3578, 36.2749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7823, 34.0136, 58.6325 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(39, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(39, 172, 198)  
}
```

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(39, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 172, 198) }
```

Border

The CSS property to change the border of an element to XYZ 25.7823, 34.0136, 58.6325 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(39, 172, 198) }
```


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

```
.border{ border-color:rgb(39, 172, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(39, 172,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7823, 34.0136, 58.6325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 172, 198) }
```

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

```
.background{ background-color: rgb(39, 172,  
198) }
```

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