

Converting Colors

XYZ(25.8953, 34.7831, 55.8011)

Have a look what the booklet for
XYZ(25.8953, 34.7831, 55.8011)
contains.

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Color

**XYZ(25.8439, 34.6802,
55.7839)**

Conversions

Conversions Part 1

Format	Color
Hex	2DAEC1
RGB	45, 174, 193
RGB Percent	18%, 68%, 76%
CMY	0.8235, 0.3176, 0.2431
CMYK	0.77, 0.10, 0.00, 0.24
HSL	188°, 62%, 47%
HSV	188°, 77%, 76%
XYZ	25.8439, 34.6802, 55.7839
YIQ	137.5950, -82.9830, -21.4390

Conversions

Conversions Part 2

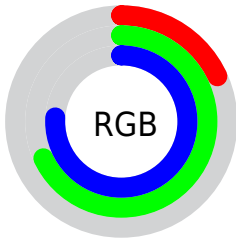
Format	Color
R_{YB}	45, 114, 193
Decimal	2993857
CIE _{Lab}	65.50, -27.36, -19.52
CIE _{LCh}	65, 33.612, 215.500
Yxy	34.6802, 0.2222, 0.2982
Android (android.graphics.Color)	4281183937 (0xFF2DAEC1)
YUV	137.5950, 27.3147, -81.2058
Hunter-Lab	58.8899, -24.7224, -14.9400

Details

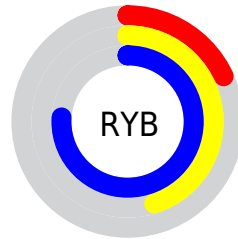
The XYZ color **25.8439, 34.6802, 55.7839** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **24.3006, 15.1953, 4.1361**, and the grayscale version is **23.9272, 25.1733, 27.4137**.

A 20% lighter version of the original color is **52.4659, 67.0780, 99.8046**, and **11.4976, 15.5388, 26.8194** is the 20% darker color. If you saturate the color by 10%, you get **24.7066, 33.3905, 55.5956**, and if you desaturate by 10%, it is **27.3801, 36.1901, 55.9950**.

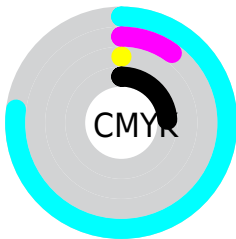
Distribution



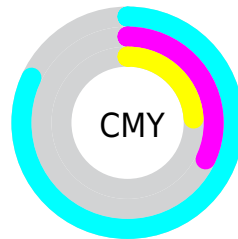
- Red (18%)
- Green (68%)
- Blue (76%)



- Red (18%)
- Yellow (45%)
- Blue (76%)



- Cyan (77%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (82%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8439, 34.6802, 55.7839 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 25.8439, 34.6802, 55.7839 by changing the saturation by 10% instead.

■ 25.8439, 34.6802,
55.7839

■ 25.8439, 34.6802,
55.7839

274.2857,
323.1545, 426.2420

■ 16.8390, 23.4166,
39.6269

■ 52.4561, 66.9900,
100.1712

■ 10.2143, 14.9014,
26.9362

■ 70.7941, 88.8051,
129.2385

■ 5.6047, 8.7502,
17.2933

■ 92.9738, 114.9062,
163.4463

■ 2.6446, 4.5786,
10.2796

■ 119.3606,
145.6775, 203.2132

■ 0.9687, 2.0022,
5.4767

■ 150.3198,
181.5037, 248.9577

■ 0.0000, 0.6088,
2.4660

186.2169,

■ 0.0000, 0.0000,

222.7689, 301.0983

0.8221

227.4170,
269.8578, 360.0535

■ 0.0000, 0.0000,
0.0000

■ 25.8439, 34.6802,
55.7839

■ 25.8439, 34.6802,
55.7839

■ 24.7066, 33.3905,
55.5956

■ 27.3801, 36.1901,
55.9950

■ 23.9027, 32.2850,
55.4246

■ 29.3590, 37.9406,
56.2286

■ 23.6697, 31.9382,
55.3699

■ 31.8219, 39.9539,
56.4874

■ 34.8045, 42.2484,
56.7731

■ 38.3392, 44.8410,
57.0872

■ 42.4555, 47.7468,
57.4311

■ 47.1811, 50.9802,
57.8062

■ 52.5416, 54.5545,
58.2136

■ 58.5613, 58.4823,
58.6544

Harmonies

Analogous

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



24.4127, 34.6802, 40.4181



25.8439, 34.6802, 55.7839



29.1924, 34.6802, 68.1759

Triad

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



25.8439, 34.6802, 55.7839



42.3438, 34.6802, 50.1498



32.0639, 34.6802, 16.7003

Complementary

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



25.8439, 34.6802, 55.7839



24.3006, 15.1953, 4.1361

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.



37.0440, 34.6802, 18.0805



25.8439, 34.6802, 55.7839



43.3063, 34.6802, 35.2227

Square

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



25.8439, 34.6802, 55.7839



38.7680, 34.6802, 64.3969



41.2812, 34.6802, 24.1095



27.7676, 34.6802, 19.7172

Rectangle

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



25.8439, 34.6802, 55.7839



32.2257, 34.6802, 71.7297



41.2812, 34.6802, 24.1095



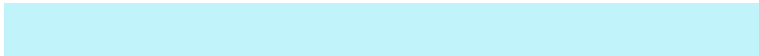
33.7104, 34.6802, 16.6764

Sweetspot

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



25.8450, 34.6815, 55.7847



70.9926, 81.9725, 102.4409



21.0301, 39.0495, 11.0264



14.6832, 17.1947, 21.9303



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



25.8450, 34.6815, 55.7847



43.2221, 58.4328, 99.3609



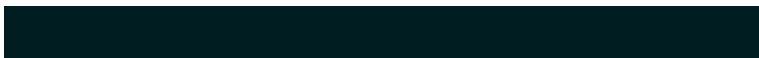
15.4345, 13.8605, 52.3146



10.2547, 11.2007, 12.9063



15.7840, 21.3245, 36.8408



0.7134, 0.9842, 1.6023

Inverse Universe

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



30.5717, 16.2714, 41.5750



52.6078, 25.9932, 70.2217



31.3091, 29.2123, 6.4723



10.4398, 10.2245, 12.4068



19.3630, 9.4350, 25.6214



0.8525, 0.4140, 1.1905

Previews

White Background



This preview shows how the XYZ color 25.8439, 34.6802, 55.7839 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 25.8439, 34.6802, 55.7839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

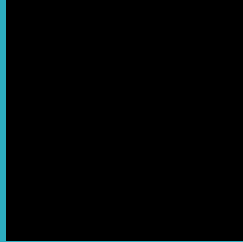
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8439, 34.6802, 55.7839

Background



This preview shows how black text looks on a background with the XYZ color 25.8439, 34.6802, 55.7839.

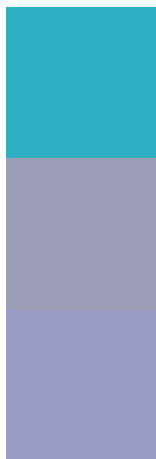


This preview shows how white text looks on a background with the XYZ color 25.8439, 34.6802,

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

25.8439, 34.6802, 55.7839

Protanopia

33.7239, 34.3202, 48.5631

Deuteranopia

34.9363, 34.2462, 57.5922



Tritanopia

25.4297, 34.8055, 53.5220

Trichromacy



Original Color

25.8439, 34.6802, 55.7839



Protanomaly

28.7936, 33.2746, 50.8040



Deuteranomaly

29.8236, 33.4036, 57.1002



Tritanomaly

25.5791, 34.8699, 54.0976

Monochromacy



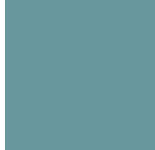
Original Color

25.8439, 34.6802, 55.7839



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.9471, 27.5449, 36.4550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8439, 34.6802, 55.7839 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, 174, 193)` looks like.

```
.text, #text, p{  
    color:rgb(45, 174, 193)  
}
```

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, 174, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 174, 193) }
```

Border

The CSS property to change the border of an element to XYZ 25.8439, 34.6802, 55.7839 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, 174, 193) }
```


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

```
.border{ border-color:rgb(45, 174, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 174, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 174, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 174, 193);  
box-shadow:4px 4px 4px 4px rgb(45, 174,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8439, 34.6802, 55.7839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 174, 193) }
```

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

```
.background{ background-color: rgb(45, 174,  
193) }
```

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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