

Converting Colors

XYZ(15.0101, 29.1043, 59.3838)

Have a look what the booklet for
XYZ(15.0101, 29.1043, 59.3838)
contains.

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Color

**XYZ(25.5614, 34.4422,
59.9444)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEC8
RGB	0, 174, 200
RGB Percent	0%, 68%, 78%
CMY	0.9998, 0.3176, 0.2157
CMYK	1.00, 0.13, 0.00, 0.22
HSL	188°, 100%, 39%
HSV	188°, 100%, 78%
XYZ	25.5614, 34.4422, 59.9444
YIQ	124.9380, -112.0500, -28.8020

Conversions

Conversions Part 2

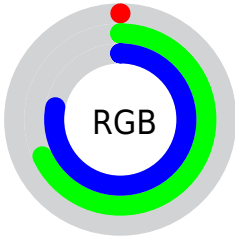
Format	Color
RYB	0, 93, 200
Decimal	44744
CIELab	65.31, -27.74, -23.72
CIELCh	65, 36.504, 220.535
Yxy	34.4422, 0.2131, 0.2871
Android (android.graphics.Color)	4278234824 (0xFF00AEC8)
YUV	124.9380, 37.0056, -109.5706
Hunter-Lab	58.6875, -24.9572, -19.4786

Details

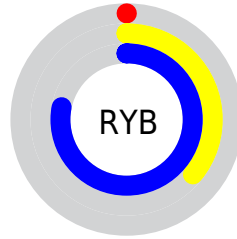
The XYZ color **25.5614, 34.4422, 59.9444** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **24.1904, 13.0205, 1.2396**, and the grayscale version is **19.3838, 20.3932, 22.2082**.

A 20% lighter version of the original color is **51.7136, 66.5803, 104.7334**, and **12.0257, 15.7501, 29.6004** is the 20% darker color. If you saturate the color by 10%, you get **25.5607, 34.4407, 59.9448**, and if you desaturate by 10%, it is **26.3587, 35.6070, 60.1279**.

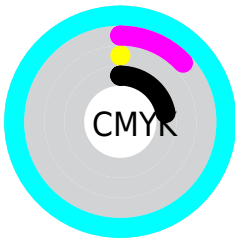
Distribution



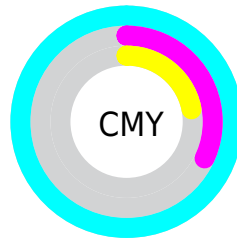
- Red (0%)
- Green (68%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5614, 34.4422, 59.9444 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 25.5614, 34.4422, 59.9444 by changing the saturation by 10% instead.

■ 25.5614, 34.4422,
59.9444

■ 25.5614, 34.4422,
59.9444

272.9187,
322.0993, 442.1918

■ 16.6268, 23.2335,
42.9488

■ 52.0029, 66.6207,
106.2916

■ 10.0624, 14.7660,
29.5139

■ 70.2404, 88.3594,
136.4803

■ 5.5029, 8.6553,
19.2210

■ 92.3097, 114.3768,
171.9038

■ 2.5830, 4.5171,
11.6516

■ 118.5760,
145.0574, 212.9805

■ 0.9373, 1.9668,
6.3873

■ 149.4047,
180.7855, 260.1292

■ 0.0000, 0.5881,
3.0094

185.1611,

■ 0.0000, 0.0000,

221.9457, 313.7683

1.0994

226.2107,
268.9221, 374.3163

■ 0.0000, 0.0000,
0.0000

■ 25.5614, 34.4422,
59.9444

■ 25.5614, 34.4422,
59.9444

■ 25.5607, 34.4407,
59.9448

■ 26.3587, 35.6070,
60.1279

■ 27.4633, 36.9440,
60.3277

■ 28.9796, 38.5079,
60.5497

■ 30.9624, 40.3269,
60.7963

■ 33.4577, 42.4249,
61.0697

■ 36.5060, 44.8229,
61.3719

■ 40.1437, 47.5396,
61.7045

■ 44.4041, 50.5922,
62.0692

■ 49.3179, 53.9968,
62.4674

Harmonies

Analogous

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



23.6745, 34.4422, 43.1169



25.5614, 34.4422, 59.9444



29.4447, 34.4422, 72.4579

Triad

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



25.5614, 34.4422, 59.9444



43.3586, 34.4422, 48.1351



30.9014, 34.4422, 15.4446

Complementary

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



25.5614, 34.4422, 59.9444



24.1904, 13.0205, 1.2396

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.



36.2645, 34.4422, 16.1073



25.5614, 34.4422, 59.9444



43.8576, 34.4422, 32.3965

Square

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



25.5614, 34.4422, 59.9444



39.8443, 34.4422, 64.4625



41.1419, 34.4422, 21.5029



26.5283, 34.4422, 19.3528

Rectangle

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



25.5614, 34.4422, 59.9444



32.8319, 34.4422, 75.0843



41.1419, 34.4422, 21.5029



32.6408, 34.4422, 15.1736

Sweetspot

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



25.5625, 34.4434, 59.9452



69.1935, 82.0812, 106.8041



20.8136, 41.3728, 7.7192



14.2106, 17.1257, 22.8066



0.0000, 0.0000, 0.0000



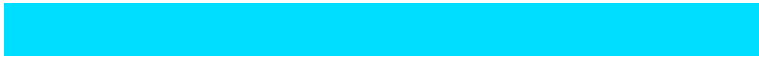
20.3446, 21.4041, 23.3091

Same Dimension

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



25.5625, 34.4434, 59.9452



44.1297, 59.3795, 103.7432



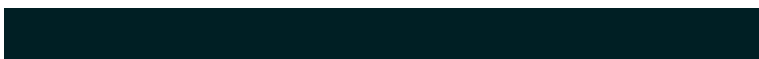
13.0587, 9.4359, 55.7773



10.8245, 11.8232, 13.6291



16.2988, 21.9915, 38.1301



0.8054, 1.1086, 1.8167

Inverse Universe

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



31.4604, 15.3366, 41.3476



54.4039, 26.5255, 71.2499



30.9467, 26.5331, 3.4917



11.0215, 10.7920, 13.0963



20.0262, 9.7600, 26.4116



0.9652, 0.4689, 1.3400

Previews

White Background



This preview shows how the XYZ color 25.5614, 34.4422, 59.9444 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 25.5614, 34.4422, 59.9444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

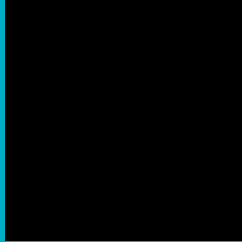
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.5614, 34.4422, 59.9444

Background



This preview shows how black text looks on a background with the XYZ color 25.5614, 34.4422, 59.9444.

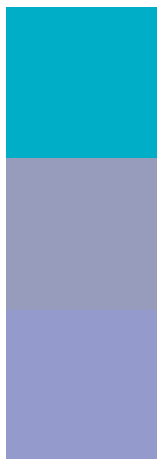


This preview shows how white text looks on a background with the XYZ color 25.5614, 34.4422,

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

25.5614, 34.4422, 59.9444

Protanopia

33.7281, 33.9871, 52.3595

Deuteranopia

34.8332, 34.0982, 61.8725



Tritanopia

24.5153, 34.3341, 53.4792

Trichromacy



Original Color

25.5614, 34.4422, 59.9444



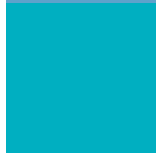
Protanomaly

27.4355, 32.4870, 54.6938



Deuteranomaly

28.3159, 32.5321, 61.2868



Tritanomaly

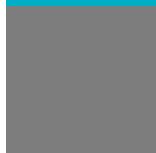
24.9556, 34.5102, 55.7979

Monochromacy



Original Color

25.5614, 34.4422, 59.9444



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.7982, 23.6174, 33.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5614, 34.4422, 59.9444 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(0, 174, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 200)  
}
```

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(0, 174, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 200) }
```

Border

The CSS property to change the border of an element to XYZ 25.5614, 34.4422, 59.9444 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(0, 174, 200) }
```


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

```
.border{ border-color:rgb(0, 174, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5614, 34.4422, 59.9444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 200) }
```

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

```
.background{ background-color: rgb(0, 174,  
200) }
```

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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