

Converting Colors

XYZ(15.2670, 20.9937, 34.5006)

Have a look what the booklet for
XYZ(15.2670, 20.9937, 34.5006)
contains.

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Color

**XYZ(15.2334, 20.8655,
34.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	008B9C
RGB	0, 139, 156
RGB Percent	0%, 55%, 61%
CMY	0.9999, 0.4549, 0.3882
CMYK	1.00, 0.11, 0.00, 0.39
HSL	187°, 100%, 31%
HSV	187°, 100%, 61%
XYZ	15.2334, 20.8655, 34.6771
YIQ	99.3770, -88.3010, -24.1810

Conversions

Conversions Part 2

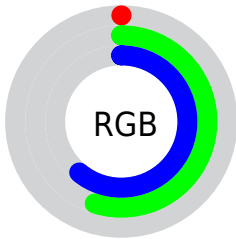
Format	Color
RYB	0, 74, 156
Decimal	35740
CIELab	52.80, -24.96, -17.96
CIElCh	53, 30.752, 215.728
Yxy	20.8655, 0.2152, 0.2948
Android (android.graphics.Color)	4278225820 (0xFF008B9C)
YUV	99.3770, 27.9151, -87.1536
Hunter-Lab	45.6788, -20.4099, -13.0349

Details

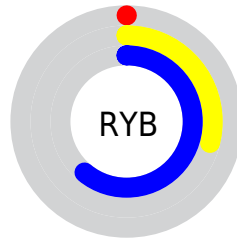
The XYZ color **15.2334, 20.8655, 34.6771** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9116, 7.4699, 0.7095**, and the grayscale version is **11.9050, 12.5249, 13.6397**.

A 20% lighter version of the original color is **34.9477, 44.9669, 68.4656**, and **6.1222, 8.1647, 14.6179** is the 20% darker color. If you saturate the color by 10%, you get **15.2332, 20.8651, 34.6774**, and if you desaturate by 10%, it is **15.6892, 21.4692, 34.7700**.

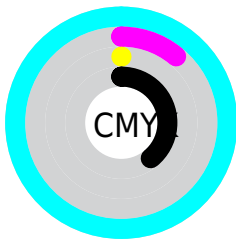
Distribution



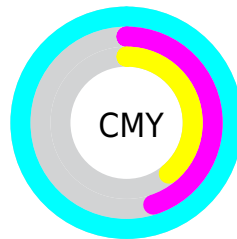
- Red (0%)
- Green (55%)
- Blue (61%)



- Red (0%)
- Yellow (29%)
- Blue (61%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (45%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2334, 20.8655, 34.6771 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 15.2334, 20.8655, 34.6771 by changing the saturation by 10% instead.

■ 15.2334, 20.8655,
34.6771

■ 15.2334, 20.8655,
34.6771

■ 218.1351,
256.5628, 338.0016

■ 9.0707, 13.0257,
23.1327

■ 34.8304, 44.8636,
68.1311

■ 4.8448, 7.4463,
14.4853

■ 48.9955, 61.7907,
90.8778

■ 2.1903, 3.7427,
8.3164

■ 66.5587, 82.5157,
118.1957

■ 0.7376, 1.5307,
4.2074

■ 87.8855, 107.4229,
150.5033

■ 0.0000, 0.3102,
1.7398

■ 113.3412,
136.8969, 188.2191

■ 0.0000, 0.0000,
0.3878

■ 143.2911,

■ 0.0000, 0.0000,

171.3219, 231.7618

0.0000

178.1006,
211.0825, 281.5498

■ 15.2334, 20.8655,
34.6771

■ 15.2334, 20.8655,
34.6771

■ 15.2332, 20.8651,
34.6774

■ 15.6892, 21.4692,
34.7700

■ 16.3058, 22.1611,
34.8711

■ 17.1541, 22.9782,
34.9841

■ 18.2630, 23.9354,
35.1104

■ 19.6573, 25.0455,
35.2512

■ 21.3588, 26.3198,
35.4074

■ 23.3870, 27.7684,
35.5801

■ 25.7601, 29.4005,
35.7701

■ 28.4946, 31.2250,
35.9781

Harmonies

Analogous

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



14.3049, 20.8655, 24.5283



15.2334, 20.8655, 34.6771



17.4025, 20.8655, 42.9323

Triad

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



15.2334, 20.8655, 34.6771



26.0045, 20.8655, 30.7838



19.2227, 20.8655, 9.2832

Complementary

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



15.2334, 20.8655, 34.6771



13.9116, 7.4699, 0.7095

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.



22.4778, 20.8655, 10.1185



15.2334, 20.8655, 34.6771



26.6259, 20.8655, 21.0009

Square

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



15.2334, 20.8655, 34.6771



23.6571, 20.8655, 40.2931



25.2739, 20.8655, 13.8845



16.4432, 20.8655, 11.1822

Rectangle

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



15.2334, 20.8655, 34.6771



19.3760, 20.8655, 45.2864



25.2739, 20.8655, 13.8845



20.2952, 20.8655, 9.2617

Sweetspot

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



15.2341, 20.8663, 34.6776



42.2334, 50.2639, 64.6027



11.9798, 23.8138, 4.4408



8.9643, 10.8277, 14.1879



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.2341, 20.8663, 34.6776



27.5791, 37.7197, 62.9538



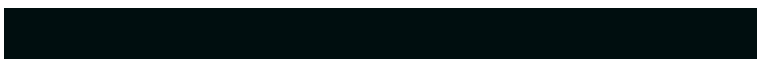
7.7467, 5.8915, 32.1818



6.7601, 7.3859, 8.4760



12.5627, 17.2169, 28.5683



0.2405, 0.3396, 0.5161

Inverse Universe

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



18.3711, 8.9328, 25.1827



33.3212, 16.2051, 45.5009



17.6790, 15.0048, 1.9653



6.8730, 6.7421, 8.1823



15.1393, 7.3603, 20.7822



0.2787, 0.1348, 0.4138

Previews

White Background



This preview shows how the XYZ color 15.2334, 20.8655, 34.6771 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2334, 20.8655, 34.6771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

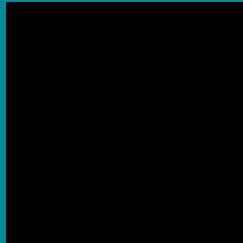
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2334, 20.8655, 34.6771

Background



This preview shows how black text looks on a background with the XYZ color 15.2334, 20.8655, 34.6771.

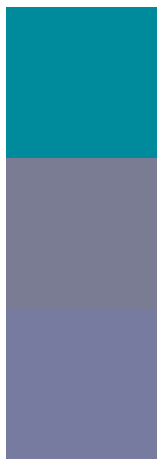


This preview shows how white text looks on a background with the XYZ color 15.2334, 20.8655,

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

15.2334, 20.8655, 34.6771

Protanopia

20.2811, 20.5556, 30.0928

Deuteranopia

21.1739, 20.6971, 36.1367



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

15.2334, 20.8655, 34.6771

Protanomaly

16.4158, 19.4803, 31.7490

Deuteranomaly

17.0888, 19.7402, 35.7105

Tritanomaly

15.1279, 21.0561, 33.4039

Monochromacy



Original Color

15.2334, 20.8655, 34.6771

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.4574, 14.4475, 19.9541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2334, 20.8655, 34.6771 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, 139, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 156)  
}
```

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, 139, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 156) }
```

Border

The CSS property to change the border of an element to XYZ 15.2334, 20.8655, 34.6771 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, 139, 156) }
```


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

```
.border{ border-color:rgb(0, 139, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 139, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2334, 20.8655, 34.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 156) }
```

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

```
.background{ background-color: rgb(0, 139,  
156) }
```

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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