

Converting Colors

XYZ(17.0440, 23.2575, 55.3720)

Have a look what the booklet for
XYZ(17.0440, 23.2575, 55.3720)
contains.

XYZ(20.4402, 25.1199, 55.4011)	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(20.4402, 25.1199,
55.4011)**

Conversions

Conversions Part 1

Format	Color
Hex	0094C3
RGB	0, 148, 195
RGB Percent	0%, 58%, 76%
CMY	0.9998, 0.4196, 0.2353
CMYK	1.00, 0.24, 0.00, 0.24
HSL	194°, 100%, 38%
HSV	194°, 100%, 76%
XYZ	20.4402, 25.1199, 55.4011
YIQ	109.1060, -103.2950, -16.7590

Conversions

Conversions Part 2

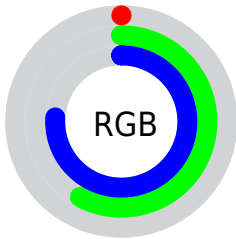
Format	Color
RYB	0, 84, 195
Decimal	38083
CIELab	57.19, -15.92, -33.47
CIELCh	57, 37.068, 244.562
Yxy	25.1199, 0.2025, 0.2488
Android (android.graphics.Color)	4278228163 (0xFF0094C3)
YUV	109.1060, 42.3457, -95.6860
Hunter-Lab	50.1198, -14.9124, -30.4538

Details

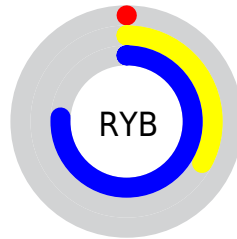
The XYZ color **20.4402, 25.1199, 55.4011** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.5242, 13.6385, 1.3938**, and the grayscale version is **14.4742, 15.2280, 16.5833**.

A 20% lighter version of the original color is **43.7282, 51.8660, 99.8019**, and **9.0824, 10.4725, 26.7420** is the 20% darker color. If you saturate the color by 10%, you get **20.4391, 25.1175, 55.4012**, and if you desaturate by 10%, it is **21.4723, 26.7693, 55.6656**.

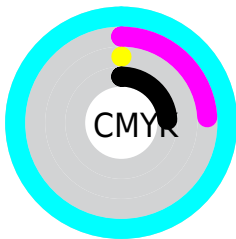
Distribution



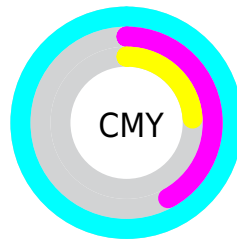
- Red (0%)
- Green (58%)
- Blue (76%)



- Red (0%)
- Yellow (33%)
- Blue (76%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (42%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4402, 25.1199, 55.4011 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 20.4402, 25.1199, 55.4011 by changing the saturation by 10% instead.

■ 20.4402, 25.1199,
55.4011

■ 20.4402, 25.1199,
55.4011

247.0767,
278.4345, 424.7553

■ 12.8255, 16.1664,
39.3222

■ 43.6523, 51.8517,
99.6054

■ 7.3847, 9.6420,
26.7007

■ 59.9805, 70.3987,
128.5679

■ 3.7523, 5.1622,
17.1181

■ 79.9439, 92.9124,
162.6620

■ 1.5630, 2.3428,
10.1559

■ 103.9079,
119.7772, 202.3062

■ 0.3681, 0.7962,
5.3955

■ 132.2378,
151.3774, 247.9191

■ 0.0000, 0.0000,
2.4184

■ 165.2990,

■ 0.0000, 0.0000,

188.0974, 299.9192

0.7964

203.4569,
230.3217, 358.7251

■ 0.0000, 0.0000,
0.0000

■ 20.4402, 25.1199,
55.4011

■ 20.4402, 25.1199,
55.4011

■ 20.4391, 25.1175,
55.4012

■ 21.4723, 26.7693,
55.6656

■ 22.8140, 28.6230,
55.9527

■ 24.5656, 30.7334,
56.2677

■ 26.7787, 33.1277,
56.6132

■ 29.4967, 35.8287,
56.9913

■ 32.7579, 38.8568,
57.4039

■ 36.5970, 42.2301,
57.8527

■ 41.0452, 45.9653,
58.3392

■ 46.1319, 50.0780,
58.8649

Harmonies

Analogous

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



17.5941, 25.1199, 43.4296



20.4402, 25.1199, 55.4011



24.5514, 25.1199, 59.0990

Triad

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



20.4402, 25.1199, 55.4011



33.2858, 25.1199, 25.4786



19.4126, 25.1199, 11.9169

Complementary

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



20.4402, 25.1199, 55.4011



23.5242, 13.6385, 1.3938

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.



23.2125, 25.1199, 9.6737



20.4402, 25.1199, 55.4011



31.4985, 25.1199, 15.8299

Square

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



20.4402, 25.1199, 55.4011



32.3106, 25.1199, 39.0652



27.6761, 25.1199, 10.8487



17.0536, 25.1199, 18.2498

Rectangle

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



20.4402, 25.1199, 55.4011



27.5477, 25.1199, 55.6507



27.6761, 25.1199, 10.8487



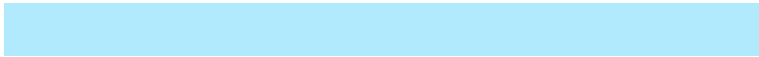
20.5455, 25.1199, 10.7649

Sweetspot

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



20.4411, 25.1208, 55.4017



65.1864, 75.3259, 103.5734



19.9998, 39.2245, 9.0535



13.6041, 15.9126, 22.6044



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.



20.4411, 25.1208, 55.4017



36.4022, 44.5771, 99.1554



11.0802, 6.3991, 52.2815



10.1562, 11.0037, 12.8735



13.3522, 16.4608, 36.0301



0.6276, 0.8127, 1.5737

Inverse Universe

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



27.8518, 13.7413, 29.2020



49.7773, 24.5673, 51.7508



32.3303, 31.2506, 4.3291



10.3901, 10.2047, 12.1449



18.1355, 8.9440, 19.1576



0.8092, 0.3967, 0.9626

Previews

White Background



This preview shows how the XYZ color 20.4402, 25.1199, 55.4011 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 20.4402, 25.1199, 55.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

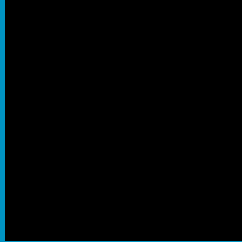
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4402, 25.1199, 55.4011

Background



This preview shows how black text looks on a background with the XYZ color 20.4402, 25.1199, 55.4011.

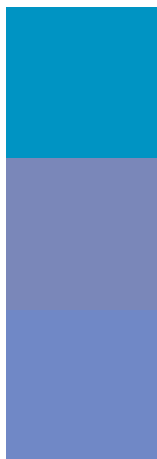


This preview shows how white text looks on a background with the XYZ color 20.4402, 25.1199,

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

20.4402, 25.1199, 55.4011

Protanopia

25.4470, 24.9683, 49.3771

Deuteranopia

25.6793, 25.1303, 56.9233



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

20.4402, 25.1199, 55.4011



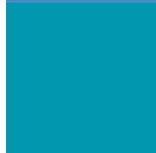
Protanomaly

21.7053, 24.0500, 51.6422



Deuteranomaly

22.0547, 24.1270, 56.3179



Tritanomaly

18.8045, 25.2284, 44.4359

Monochromacy



Original Color

20.4402, 25.1199, 55.4011



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

14.2708, 17.3246, 27.4028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4402, 25.1199, 55.4011 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, 148, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 195)  
}
```

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, 148, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 195) }
```

Border

The CSS property to change the border of an element to XYZ 20.4402, 25.1199, 55.4011 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, 148, 195) }
```


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

```
.border{ border-color:rgb(0, 148, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4402, 25.1199, 55.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 195) }
```

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

```
.background{ background-color: rgb(0, 148,  
195) }
```

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