

Converting Colors

XYZ(16.7339, 20.9880, 54.5325)

Have a look what the booklet for
XYZ(16.7339, 20.9880, 54.5325)
contains.

XYZ(18.9388, 22.1171, 54.9006)	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(18.9388, 22.1171,
54.9006)**

Conversions

Conversions Part 1

Format	Color
Hex	008AC3
RGB	0, 138, 195
RGB Percent	0%, 54%, 76%
CMY	0.9998, 0.4588, 0.2353
CMYK	1.00, 0.29, 0.00, 0.24
HSL	198°, 100%, 38%
HSV	198°, 100%, 76%
XYZ	18.9388, 22.1171, 54.9006
YIQ	103.2360, -100.5450, -11.5290

Conversions

Conversions Part 2

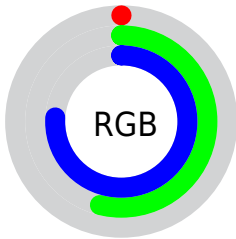
Format	Color
RYB	0, 81, 195
Decimal	35523
CIELab	54.15, -10.34, -38.24
CIELCh	54, 39.607, 254.873
Yxy	22.1171, 0.1974, 0.2305
Android (android.graphics.Color)	4278225603 (0xFF008AC3)
YUV	103.2360, 45.2397, -90.5380
Hunter-Lab	47.0288, -10.4174, -36.2939

Details

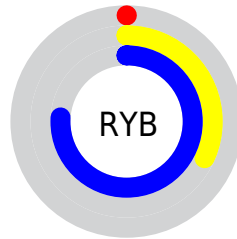
The XYZ color **18.9388, 22.1171, 54.9006** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **23.9712, 14.5325, 1.5428**, and the grayscale version is **12.8611, 13.5309, 14.7351**.

A 20% lighter version of the original color is **41.1313, 46.8313, 98.9670**, and **8.2974, 8.9025, 26.4803** is the 20% darker color. If you saturate the color by 10%, you get **18.9374, 22.1142, 54.9006**, and if you desaturate by 10%, it is **20.0579, 23.9407, 55.1941**.

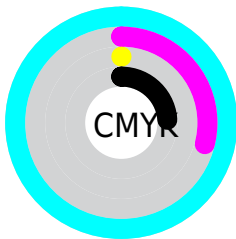
Distribution



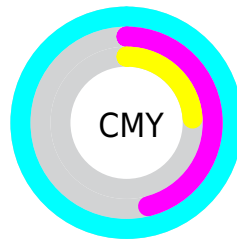
- Red (0%)
- Green (54%)
- Blue (76%)



- Red (0%)
- Yellow (32%)
- Blue (76%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (46%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9388, 22.1171, 54.9006 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 18.9388, 22.1171, 54.9006 by changing the saturation by 10% instead.

■ 18.9388, 22.1171,
54.9006

■ 18.9388, 22.1171,
54.9006

239.0553,
263.1572, 422.8064

■ 11.7298, 13.9430,
38.9241

■ 41.1483, 46.9395,
98.8650

■ 6.6309, 8.0810,
26.3933

■ 56.8796, 64.3565,
127.6899

■ 3.2766, 4.1468,
16.8897

■ 76.1823, 85.6233,
161.6348

■ 1.3017, 1.7560,
9.9948

■ 99.4218, 111.1242,
201.1181

■ 0.1845, 0.4595,
5.2899

■ 126.9635,
141.2436, 246.5583

■ 0.0000, 0.0000,
2.3567

■ 159.1728,

■ 0.0000, 0.0000,

176.3660, 298.3741

0.7627

196.4149,
216.8757, 356.9839

■ 0.0000, 0.0000,
0.0000

■ 18.9388, 22.1171,
54.9006

■ 18.9388, 22.1171,
54.9006

■ 18.9374, 22.1142,
54.9006

■ 20.0579, 23.9407,
55.1941

■ 21.5001, 25.9952,
55.5146

■ 23.3658, 28.3336,
55.8677

■ 25.7066, 30.9836,
56.2558

■ 28.5666, 33.9685,
56.6812

■ 31.9842, 37.3093,
57.1459

■ 35.9942, 41.0245,
57.6517

■ 40.6284, 45.1315,
58.2001

■ 45.9160, 49.6462,
58.7929

Harmonies

Analogous

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



15.6941, 22.1171, 44.9270



18.9388, 22.1171, 54.9006



23.2141, 22.1171, 54.9476

Triad

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



18.9388, 22.1171, 54.9006



30.0590, 22.1171, 18.5053



15.7154, 22.1171, 10.9058

Complementary

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



18.9388, 22.1171, 54.9006



23.9712, 14.5325, 1.5428

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.



18.9718, 22.1171, 7.6897



18.9388, 22.1171, 54.9006



27.4360, 22.1171, 10.9495

Square

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



18.9388, 22.1171, 54.9006



30.0470, 22.1171, 30.7981



23.2519, 22.1171, 7.7024



14.0130, 22.1171, 18.4206

Rectangle

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



18.9388, 22.1171, 54.9006



26.1074, 22.1171, 49.1729



23.2519, 22.1171, 7.7024



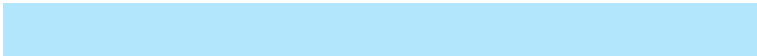
16.6434, 22.1171, 9.4198

Sweetspot

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



18.9396, 22.1178, 54.9012



64.0913, 73.1357, 103.2084



20.2121, 39.3093, 10.1718



13.3348, 15.3741, 22.5146



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.



18.9396, 22.1178, 54.9012



33.6907, 39.1541, 98.2516



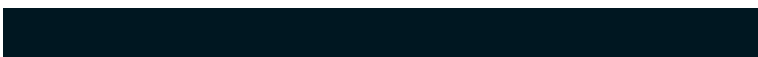
10.6889, 5.6164, 52.1509



10.1118, 10.9149, 12.8587



12.3837, 14.5238, 35.7073



0.5922, 0.7418, 1.5619

Inverse Universe

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



27.0939, 13.4381, 25.2111



48.4087, 24.0198, 44.5436



33.8580, 34.3061, 4.8384



10.3677, 10.1957, 12.0270



17.6467, 8.7484, 16.5833



0.7913, 0.3895, 0.8684

Previews

White Background



This preview shows how the XYZ color 18.9388, 22.1171, 54.9006 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 18.9388, 22.1171, 54.9006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

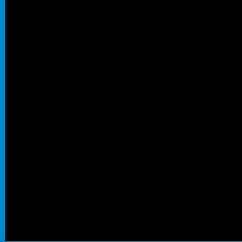
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9388, 22.1171, 54.9006

Background



This preview shows how black text looks on a background with the XYZ color 18.9388, 22.1171, 54.9006.

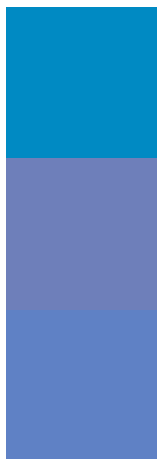


This preview shows how white text looks on a background with the XYZ color 18.9388, 22.1171,

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

18.9388, 22.1171, 54.9006

Protanopia

22.8827, 22.0389, 49.5023

Deuteranopia

22.6476, 22.1646, 55.9079



Tritanopia

15.6552, 21.9780, 33.9889

Trichromacy



Original Color

18.9388, 22.1171, 54.9006

Protanomaly

19.8274, 21.2088, 51.1928

Deuteranomaly

20.0785, 21.4487, 55.3063

Tritanomaly

16.6863, 21.9143, 40.8865

Monochromacy



Original Color

18.9388, 22.1171, 54.9006

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9361, 15.4266, 25.5884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9388, 22.1171, 54.9006 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, 138, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 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, 138, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 195) }
```

Border

The CSS property to change the border of an element to XYZ 18.9388, 22.1171, 54.9006 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, 138, 195) }
```


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

```
.border{ border-color:rgb(0, 138, 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, 138, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9388, 22.1171, 54.9006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 195) }
```

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

```
.background{ background-color: rgb(0, 138,  
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](#).

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