

Converting Colors

XYZ(15.5739, 20.1718, 39.0290)

Have a look what the booklet for
XYZ(15.5739, 20.1718, 39.0290)
contains.

XYZ(15.5469, 20.0811, 39.1330)	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(15.5469, 20.0811,
39.1330)**

Conversions

Conversions Part 1

Format	Color
Hex	0087A6
RGB	0, 135, 166
RGB Percent	0%, 53%, 65%
CMY	0.9999, 0.4706, 0.3490
CMYK	1.00, 0.19, 0.00, 0.35
HSL	191°, 100%, 33%
HSV	191°, 100%, 65%
XYZ	15.5469, 20.0811, 39.1330
YIQ	98.1690, -90.4110, -18.9790

Conversions

Conversions Part 2

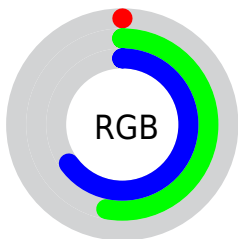
Format	Color
RYB	0, 74, 166
Decimal	34726
CIELab	51.93, -19.35, -25.08
CIELCh	52, 31.676, 232.347
Yxy	20.0811, 0.2080, 0.2686
Android (android.graphics.Color)	4278224806 (0xFF0087A6)
YUV	98.1690, 33.4407, -86.0942
Hunter-Lab	44.8119, -16.4927, -20.4079

Details

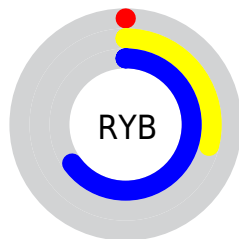
The XYZ color **15.5469, 20.0811, 39.1330** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.2170, 9.0886, 0.9004**, and the grayscale version is **11.5894, 12.1930, 13.2781**.

A 20% lighter version of the original color is **35.2508, 43.3606, 74.9181**, and **6.2858, 7.7119, 17.0768** is the 20% darker color. If you saturate the color by 10%, you get **15.5464, 20.0801, 39.1332**, and if you desaturate by 10%, it is **16.2107, 21.0753, 39.2903**.

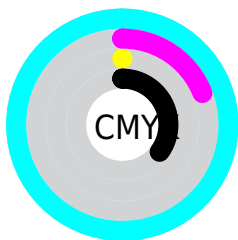
Distribution



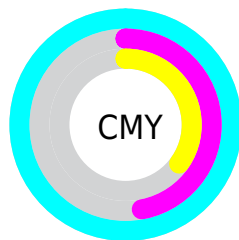
- Red (0%)
- Green (53%)
- Blue (65%)



- Red (0%)
- Yellow (29%)
- Blue (65%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5469, 20.0811, 39.1330 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 15.5469, 20.0811, 39.1330 by changing the saturation by 10% instead.

■ 15.5469, 20.0811,
39.1330

■ 15.5469, 20.0811,
39.1330

■ 219.9764,
252.3538, 357.8985

■ 9.2929, 12.4540,
26.5546

■ 35.3736, 43.5531,
75.0640

■ 4.9914, 7.0537,
17.0095

■ 49.6771, 60.1668,
99.2537

■ 2.2769, 3.4957,
10.0792

■ 67.3944, 80.5449,
128.1509

■ 0.7828, 1.3957,
5.3452

■ 88.8909, 105.0716,
162.1742

■ 0.0000, 0.2135,
2.3890

■ 114.5320,
134.1315, 201.7420

■ 0.0000, 0.0000,
0.7804

■ 144.6831,

■ 0.0000, 0.0000,

168.1089, 247.2730

0.0000

179.7094,
207.3882, 299.1856

■ 15.5469, 20.0811,
39.1330

■ 15.5469, 20.0811,
39.1330

■ 15.5464, 20.0801,
39.1332

■ 16.2107, 21.0753,
39.2903

■ 17.0724, 22.1899,
39.4600

■ 18.2093, 23.4654,
39.6463

■ 19.6554, 24.9196,
39.8508

■ 21.4399, 26.5675,
40.0748

■ 23.5881, 28.4223,
40.3196

■ 26.1232, 30.4962,
40.5863

■ 29.0662, 32.8001,
40.8759

■ 32.4366, 35.3443,
41.1893

Harmonies

Analogous

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



13.9113, 20.0811, 29.3275



15.5469, 20.0811, 39.1330



18.2733, 20.0811, 44.5819

Triad

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



15.5469, 20.0811, 39.1330



25.9077, 20.0811, 24.3137



16.8268, 20.0811, 9.2187

Complementary

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



15.5469, 20.0811, 39.1330



16.2170, 9.0886, 0.9004

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.



19.9234, 20.0811, 8.5741



15.5469, 20.0811, 39.1330



25.4083, 20.0811, 15.7895

Square

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



15.5469, 20.0811, 39.1330



24.4229, 20.0811, 34.5917



23.1262, 20.0811, 10.6121



14.5902, 20.0811, 12.7193

Rectangle

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



15.5469, 20.0811, 39.1330



20.4419, 20.0811, 44.1775



23.1262, 20.0811, 10.6121



17.7923, 20.0811, 8.7100

Sweetspot

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



15.5476, 20.0818, 39.1335



47.1263, 55.1195, 73.6306



13.8770, 27.3690, 5.8105



10.1126, 11.9842, 16.4323



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.5476, 20.0818, 39.1335



28.0696, 36.1521, 70.9739



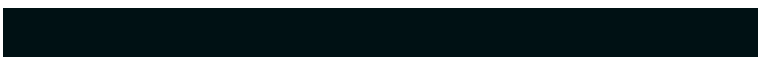
8.1377, 5.2621, 36.6636



7.6267, 8.2903, 9.6166



12.0871, 15.6344, 30.3562



0.3240, 0.4402, 0.7485

Inverse Universe

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



20.0997, 9.8570, 23.7655



36.4039, 17.8586, 42.7411



21.6809, 20.0166, 2.7217



7.7809, 7.6422, 9.1635



15.6016, 7.6494, 18.5114



0.3947, 0.1922, 0.5299

Previews

White Background



This preview shows how the XYZ color 15.5469, 20.0811, 39.1330 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 15.5469, 20.0811, 39.1330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

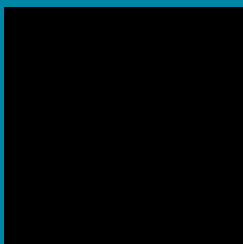
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

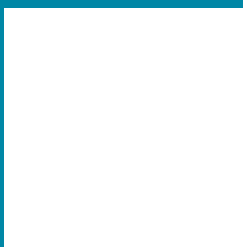
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5469, 20.0811, 39.1330

Background



This preview shows how black text looks on a background with the XYZ color 15.5469, 20.0811, 39.1330.

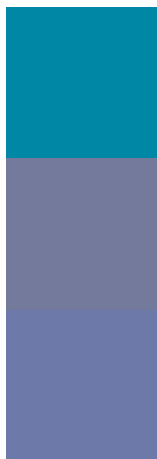


This preview shows how white text looks on a background with the XYZ color 15.5469, 20.0811,

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

15.5469, 20.0811, 39.1330

Protanopia

20.0305, 19.9642, 34.2502

Deuteranopia

20.4276, 20.0348, 40.3266



Tritanopia

14.2910, 20.0294, 31.1298

Trichromacy



Original Color

15.5469, 20.0811, 39.1330

Protanomaly

16.6822, 19.1333, 36.0716

Deuteranomaly

17.1115, 19.2711, 39.8636

Tritanomaly

14.7206, 19.9749, 34.0900

Monochromacy



Original Color

15.5469, 20.0811, 39.1330

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.2462, 13.8231, 20.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5469, 20.0811, 39.1330 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, 135, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 166)  
}
```

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, 135, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.5469, 20.0811, 39.1330 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, 135, 166) }
```


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

```
.border{ border-color:rgb(0, 135, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5469, 20.0811, 39.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 166) }
```

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

```
.background{ background-color: rgb(0, 135,  
166) }
```

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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