

Converting Colors

XYZ(10.1525, 16.3180, 43.6952)

Have a look what the booklet for
XYZ(10.1525, 16.3180, 43.6952)
contains.

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Color

**XYZ(15.9528, 19.3672,
43.9717)**

Conversions

Conversions Part 1

Format	Color
Hex	0083B0
RGB	0, 131, 176
RGB Percent	0%, 51%, 69%
CMY	0.9999, 0.4863, 0.3098
CMYK	1.00, 0.26, 0.00, 0.31
HSL	195°, 100%, 35%
HSV	195°, 100%, 69%
XYZ	15.9528, 19.3672, 43.9717
YIQ	96.9610, -92.5210, -13.7770

Conversions

Conversions Part 2

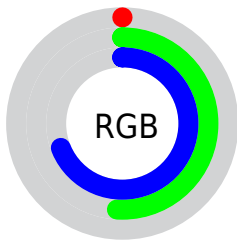
Format	Color
RYB	0, 75, 176
Decimal	33712
CIELab	51.11, -13.48, -32.12
CIELCh	51, 34.832, 247.233
Yxy	19.3672, 0.2012, 0.2443
Android (android.graphics.Color)	4278223792 (0xFF0083B0)
YUV	96.9610, 38.9662, -85.0348
Hunter-Lab	44.0082, -12.3087, -28.4351

Details

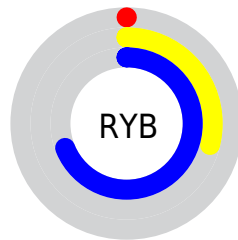
The XYZ color **15.9528, 19.3672, 43.9717** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.8446, 11.1097, 1.1522**, and the grayscale version is **11.2792, 11.8666, 12.9228**.

A 20% lighter version of the original color is **36.1196, 42.3825, 82.6209**, and **6.5924, 7.4646, 19.8323** is the 20% darker color. If you saturate the color by 10%, you get **15.9518, 19.3651, 43.9718**, and if you desaturate by 10%, it is **16.8135, 20.7282, 44.1894**.

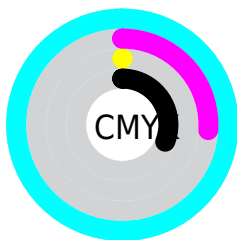
Distribution



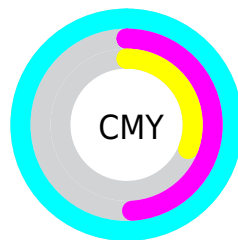
- Red (0%)
- Green (51%)
- Blue (69%)



- Red (0%)
- Yellow (29%)
- Blue (69%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9528, 19.3672, 43.9717 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 15.9528, 19.3672, 43.9717 by changing the saturation by 10% instead.

■ 15.9528, 19.3672,
43.9717

■ 15.9528, 19.3672,
43.9717

■ 222.3389,
248.4685, 378.6308

■ 9.5814, 11.9359,
30.3112

■ 36.0744, 42.3537,
82.4772

■ 5.1824, 6.7000,
19.8209

■ 50.5552, 58.6776,
108.1593

■ 2.3905, 3.2752,
12.0821

■ 68.4699, 78.7346,
138.6856

■ 0.8404, 1.2771,
6.6764

■ 90.1839, 102.9090,
174.4748

■ 0.0000, 0.1233,
3.1852

■ 116.0624,
131.5852, 215.9454

■ 0.0000, 0.0000,
1.1900

■ 146.4708,

■ 0.0000, 0.0000,

165.1476, 263.5159

0.0000

181.7745,
203.9805, 317.6048

■ 15.9528, 19.3672,
43.9717

■ 15.9528, 19.3672,
43.9717

■ 15.9518, 19.3651,
43.9718

■ 16.8135, 20.7282,
44.1894

■ 17.9163, 22.2532,
44.4257

■ 19.3459, 23.9866,
44.6849

■ 21.1421, 25.9494,
44.9691

■ 23.3387, 28.1595,
45.2799

■ 25.9653, 30.6325,
45.6188

■ 29.0487, 33.3828,
45.9872

■ 32.6135, 36.4235,
46.3862

■ 36.6824, 39.7666,
46.8170

Harmonies

Analogous

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



13.6052, 19.3672, 34.8357



15.9528, 19.3672, 43.9717



19.2579, 19.3672, 46.1821

Triad

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



15.9528, 19.3672, 43.9717



25.8236, 19.3672, 18.7797



14.6707, 19.3672, 9.2693

Complementary

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



15.9528, 19.3672, 43.9717



18.8446, 11.1097, 1.1522

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.



17.5834, 19.3672, 7.2759



15.9528, 19.3672, 43.9717



24.2257, 19.3672, 11.5366

Square

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



15.9528, 19.3672, 43.9717



25.2451, 19.3672, 29.3488



21.1029, 19.3672, 7.9511



12.9322, 19.3672, 14.5433

Rectangle

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



15.9528, 19.3672, 43.9717



21.6215, 19.3672, 42.9560



21.1029, 19.3672, 7.9511



15.5297, 19.3672, 8.2829

Sweetspot

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



15.9535, 19.3679, 43.9722



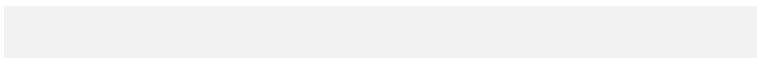
52.3571, 60.2594, 83.3670



15.9811, 31.2332, 7.5719



10.8303, 12.6039, 18.0063



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.9535, 19.3679, 43.9722



28.7399, 34.7393, 79.6859



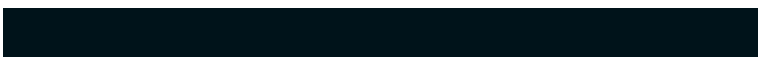
8.7387, 4.9382, 41.5673



8.5550, 9.2563, 10.8421



11.7528, 14.3060, 32.2789



0.4134, 0.5374, 1.0302

Inverse Universe

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



22.0019, 10.8697, 22.4117



39.8055, 19.6734, 40.1327



26.1574, 25.7354, 3.5898



8.7554, 8.6089, 10.2101



16.1669, 7.9843, 16.5709



0.5307, 0.2600, 0.6374

Previews

White Background



This preview shows how the XYZ color 15.9528, 19.3672, 43.9717 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 15.9528, 19.3672, 43.9717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

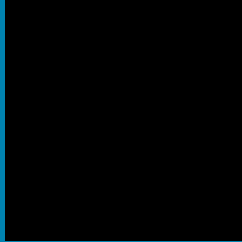
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9528, 19.3672, 43.9717

Background



This preview shows how black text looks on a background with the XYZ color 15.9528, 19.3672, 43.9717.

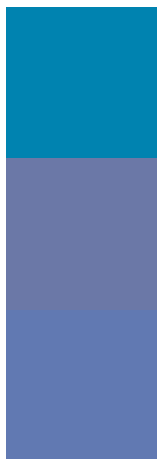


This preview shows how white text looks on a background with the XYZ color 15.9528, 19.3672,

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

15.9528, 19.3672, 43.9717

Protanopia

19.7549, 19.3488, 39.2527

Deuteranopia

19.8030, 19.4305, 44.8262



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

15.9528, 19.3672, 43.9717

Protanomaly

16.8472, 18.5465, 40.7221

Deuteranomaly

17.2560, 18.8657, 44.3269

Tritanomaly

14.5258, 19.4505, 34.4412

Monochromacy



Original Color

15.9528, 19.3672, 43.9717

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2211, 13.4678, 21.7468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9528, 19.3672, 43.9717 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, 131, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 176)  
}
```

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, 131, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 176) }
```

Border

The CSS property to change the border of an element to XYZ 15.9528, 19.3672, 43.9717 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, 131, 176) }
```


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

```
.border{ border-color:rgb(0, 131, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9528, 19.3672, 43.9717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 176) }
```

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

```
.background{ background-color: rgb(0, 131,  
176) }
```

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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