

Converting Colors

XYZ(7.5268, 14.7753, 42.9294)

Have a look what the booklet for
XYZ(7.5268, 14.7753, 42.9294)
contains.

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Color

**XYZ(15.7205, 19.0604,
43.4079)**

Conversions

Conversions Part 1

Format	Color
Hex	0082AF
RGB	0, 130, 175
RGB Percent	0%, 51%, 69%
CMY	0.9999, 0.4902, 0.3137
CMYK	1.00, 0.26, 0.00, 0.31
HSL	195°, 100%, 34%
HSV	195°, 100%, 69%
XYZ	15.7205, 19.0604, 43.4079
YIQ	96.2600, -91.9250, -13.5650

Conversions

Conversions Part 2

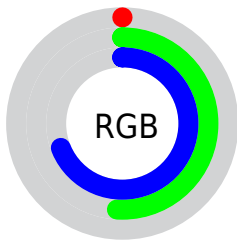
Format	Color
RYB	0, 75, 175
Decimal	33455
CIELab	50.76, -13.29, -32.10
CIELCh	51, 34.740, 247.510
Yxy	19.0604, 0.2011, 0.2438
Android (android.graphics.Color)	4278223535 (0xFF0082AF)
YUV	96.2600, 38.8188, -84.4200
Hunter-Lab	43.6582, -12.1274, -28.3893

Details

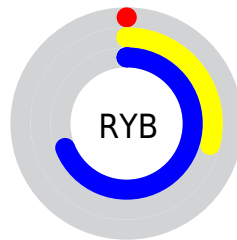
The XYZ color **15.7205, 19.0604, 43.4079** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.6192, 10.9934, 1.1416**, and the grayscale version is **11.1086, 11.6871, 12.7273**.

A 20% lighter version of the original color is **35.7709, 41.9118, 81.8058**, and **6.4553, 7.2900, 19.4792** is the 20% darker color. If you saturate the color by 10%, you get **15.7196, 19.0585, 43.4080**, and if you desaturate by 10%, it is **16.5735, 20.4087, 43.6236**.

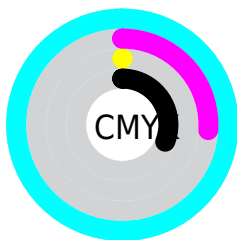
Distribution



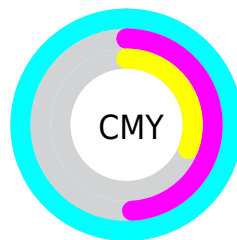
- Red (0%)
- Green (51%)
- Blue (69%)



- 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 15.7205, 19.0604, 43.4079 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 15.7205, 19.0604, 43.4079 by changing the saturation by 10% instead.

■ 15.7205, 19.0604,
43.4079

■ 15.7205, 19.0604,
43.4079

■ 220.9897,
246.7820, 376.2570

■ 9.4162, 11.7139,
29.8715

■ 35.6737, 41.8361,
81.6190

■ 5.0729, 6.5492,
19.4899

■ 50.0532, 58.0342,
107.1308

■ 2.3253, 3.1818,
11.8444

■ 67.8553, 77.9516,
137.4714

■ 0.8076, 1.2274,
6.5166

■ 89.4451, 101.9726,
173.0595

■ 0.0000, 0.0839,
3.0878

■ 115.1881,
130.4818, 214.3136

■ 0.0000, 0.0000,
1.1397

■ 145.4496,

■ 0.0000, 0.0000,

163.8635, 261.6522

0.0000

180.5951,
202.5021, 315.4938

■ 15.7205, 19.0604,
43.4079

■ 15.7205, 19.0604,
43.4079

■ 15.7196, 19.0585,
43.4080

■ 16.5735, 20.4087,
43.6236

■ 17.6653, 21.9192,
43.8576

■ 19.0800, 23.6360,
44.1144

■ 20.8568, 25.5798,
44.3960

■ 23.0289, 27.7681,
44.7039

■ 25.6257, 30.2166,
45.0396

■ 28.6735, 32.9392,
45.4045

■ 32.1966, 35.9489,
45.7997

■ 36.2174, 39.2577,
46.2265

Harmonies

Analogous

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



13.3940, 19.0604, 34.4273



15.7205, 19.0604, 43.4079



18.9875, 19.0604, 45.5150

Triad

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



15.7205, 19.0604, 43.4079



25.4313, 19.0604, 18.3932



14.4076, 19.0604, 9.1311

Complementary

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



15.7205, 19.0604, 43.4079



18.6192, 10.9934, 1.1416

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.



17.2723, 19.0604, 7.1418



15.7205, 19.0604, 43.4079



23.8357, 19.0604, 11.2854

Square

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



15.7205, 19.0604, 43.4079



24.8802, 19.0604, 28.8038



20.7440, 19.0604, 7.7828



12.7050, 19.0604, 14.3632

Rectangle

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



15.7205, 19.0604, 43.4079



21.3192, 19.0604, 42.2804



20.7440, 19.0604, 7.7828



15.2515, 19.0604, 8.1501

Sweetspot

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



15.7212, 19.0610, 43.4084



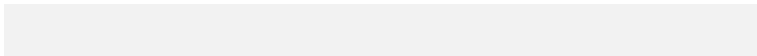
51.0380, 58.7173, 81.2804



15.7810, 30.8406, 7.4819



10.8242, 12.5917, 18.0043



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.



15.7212, 19.0610, 43.4084



27.9684, 33.7637, 77.6798



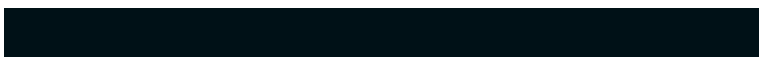
8.6307, 4.8801, 41.0449



8.0594, 8.7181, 10.2107



11.3086, 13.7511, 31.1027



0.3553, 0.4640, 0.8788

Inverse Universe

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



21.7091, 10.7265, 22.0458



38.7850, 19.1716, 38.9867



25.8307, 25.4164, 3.5454



8.2478, 8.1124, 9.6155



15.5717, 7.6912, 15.9220



0.4538, 0.2222, 0.5512

Previews

White Background



This preview shows how the XYZ color 15.7205, 19.0604, 43.4079 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 15.7205, 19.0604, 43.4079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

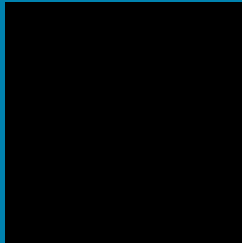
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7205, 19.0604, 43.4079

Background



This preview shows how black text looks on a background with the XYZ color 15.7205, 19.0604, 43.4079.



This preview shows how white text looks on a background with the XYZ color 15.7205, 19.0604,

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

15.7205, 19.0604, 43.4079

Protanopia

19.4236, 19.0110, 38.7221

Deuteranopia

19.4762, 19.0941, 44.2540



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

15.7205, 19.0604, 43.4079

Protanomaly

16.5591, 18.2238, 40.1809

Deuteranomaly

16.9686, 18.5420, 43.7589

Tritanomaly

14.3039, 19.1416, 33.9512

Monochromacy



Original Color

15.7205, 19.0604, 43.4079

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.9887, 13.1979, 21.3703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7205, 19.0604, 43.4079 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, 130, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 175)  
}
```

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, 130, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 175) }
```

Border

The CSS property to change the border of an element to XYZ 15.7205, 19.0604, 43.4079 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, 130, 175) }
```


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

```
.border{ border-color:rgb(0, 130, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7205, 19.0604, 43.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 175) }
```

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

```
.background{ background-color: rgb(0, 130,  
175) }
```

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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