

Converting Colors

XYZ(12.4986, 16.6788, 62.1359)

Have a look what the booklet for
XYZ(12.4986, 16.6788, 62.1359)
contains.

XYZ(19.1043, 19.9924, 62.5265)	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(19.1043, 19.9924,
62.5265)**

Conversions

Conversions Part 1

Format	Color
Hex	0080D0
RGB	0, 128, 208
RGB Percent	0%, 50%, 82%
CMY	0.9998, 0.4980, 0.1843
CMYK	1.00, 0.38, 0.00, 0.18
HSL	203°, 100%, 41%
HSV	203°, 100%, 82%
XYZ	19.1043, 19.9924, 62.5265
YIQ	98.8480, -101.9680, -2.2560

Conversions

Conversions Part 2

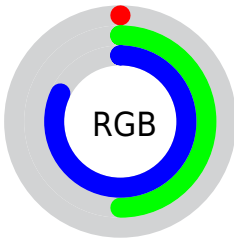
Format	Color
RYB	0, 79, 208
Decimal	32976
CIELab	51.83, 0.52, -49.29
CIELCh	52, 49.295, 270.608
Yxy	19.9924, 0.1880, 0.1967
Android (android.graphics.Color)	4278223056 (0xFF0080D0)
YUV	98.8480, 53.8119, -86.6897
Hunter-Lab	44.7129, -1.9805, -51.6122

Details

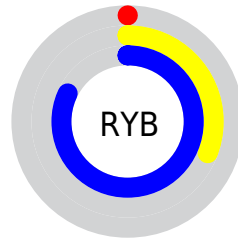
The XYZ color **19.1043, 19.9924, 62.5265** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **28.8848, 19.1539, 2.1760**, and the grayscale version is **11.7126, 12.3225, 13.4192**.

A 20% lighter version of the original color is **39.6268, 42.5718, 100.7364**, and **8.6184, 8.0372, 31.2341** is the 20% darker color. If you saturate the color by 10%, you get **19.1023, 19.9882, 62.5263**, and if you desaturate by 10%, it is **20.4958, 22.3209, 62.9031**.

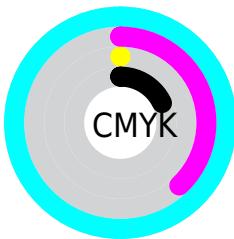
Distribution



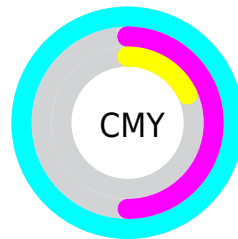
- Red (0%)
- Green (50%)
- Blue (82%)



- Red (0%)
- Yellow (31%)
- Blue (82%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1043, 19.9924, 62.5265 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 19.1043, 19.9924, 62.5265 by changing the saturation by 10% instead.

■ 19.1043, 19.9924,
62.5265

■ 19.1043, 19.9924,
62.5265

239.9510,
251.8740, 451.9096

■ 11.8501, 12.3895,
45.0197

■ 41.4258, 43.4044,
110.0651

■ 6.7132, 7.0095,
31.1299

■ 57.2238, 59.9824,
140.9340

■ 3.3281, 3.4681,
20.4385

■ 76.6004, 80.3208,
177.0940

■ 1.3296, 1.3807,
12.5270

■ 99.9211, 104.8041,
218.9636

■ 0.2052, 0.2024,
6.9767

■ 127.5512,
133.8167, 266.9614

■ 0.0000, 0.0000,
3.3693

159.8559,

■ 0.0000, 0.0000,

167.7429, 321.5060

1.2862

197.2008,
206.9672, 383.0159

■ 0.0000, 0.0000,
0.0504

■ 0.0000, 0.0000,
0.0000

■ 19.1043, 19.9924,
62.5265

■ 19.1043, 19.9924,
62.5265

■ 19.1023, 19.9882,
62.5263

■ 20.4958, 22.3209,
62.9031

■ 22.2996, 24.9868,
63.3226

■ 24.6291, 28.0511,
63.7913

■ 27.5464, 31.5486,
64.3126

■ 31.1038, 35.5086,
64.8894

■ 35.3477, 39.9575,
65.5245

■ 40.3195, 44.9190,
66.2201

■ 46.0575, 50.4150,
66.9785

■ 52.5969, 56.4660,
67.8018

Harmonies

Analogous

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



14.6644, 19.9924, 55.6393



19.1043, 19.9924, 62.5265



24.3282, 19.9924, 55.0953

Triad

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



19.1043, 19.9924, 62.5265



28.5334, 19.9924, 10.5454



11.7976, 19.9924, 10.8604

Complementary

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



19.1043, 19.9924, 62.5265



28.8848, 19.1539, 2.1760

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.



14.5164, 19.9924, 5.6321



19.1043, 19.9924, 62.5265



24.1207, 19.9924, 5.5143

Square

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



19.1043, 19.9924, 62.5265



30.3250, 19.9924, 21.4777



18.9004, 19.9924, 4.2144



10.9203, 19.9924, 22.0616

Rectangle

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



19.1043, 19.9924, 62.5265



27.4403, 19.9924, 44.3280



18.9004, 19.9924, 4.2144



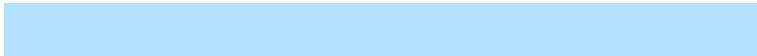
12.4999, 19.9924, 8.5552

Sweetspot

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



19.1051, 19.9930, 62.5270



63.6048, 70.9038, 104.9412



23.9958, 45.6880, 15.0972



12.8674, 14.4392, 22.3588



0.0000, 0.0000, 0.0000



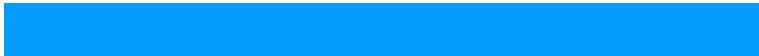
20.3446, 21.4041, 23.3091

Same Dimension

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



19.1051, 19.9930, 62.5270



30.0905, 31.3010, 99.0635



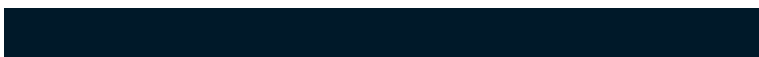
11.7188, 5.2204, 60.0649



11.7606, 12.6114, 15.0580



12.0016, 12.6498, 39.0016



0.7466, 0.8584, 2.2059

Inverse Universe

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



29.9095, 14.9695, 21.7354



47.3175, 23.6910, 33.9336



43.0992, 47.5828, 6.9141



12.1100, 11.9288, 13.8552



18.6886, 9.3483, 13.7981



1.0831, 0.5380, 0.9724

Previews

White Background



This preview shows how the XYZ color 19.1043, 19.9924, 62.5265 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 19.1043, 19.9924, 62.5265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

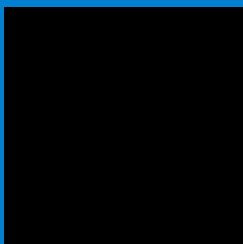
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

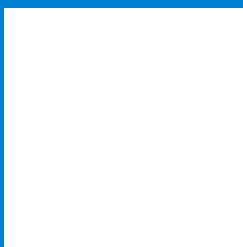
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1043, 19.9924, 62.5265

Background



This preview shows how black text looks on a background with the XYZ color 19.1043, 19.9924, 62.5265.



This preview shows how white text looks on a background with the XYZ color 19.1043, 19.9924,

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

19.1043, 19.9924, 62.5265

Protanopia

21.5735, 19.8741, 57.9574

Deuteranopia

20.6407, 20.0109, 63.0962



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

19.1043, 19.9924, 62.5265

Protanomaly

19.7270, 19.4251, 59.8364

Deuteranomaly

19.6789, 19.7020, 63.0873

Tritanomaly

15.6865, 19.9148, 40.5533

Monochromacy



Original Color

19.1043, 19.9924, 62.5265

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2860, 14.0727, 26.4949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1043, 19.9924, 62.5265 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, 128, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 208)  
}
```

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, 128, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 208) }
```

Border

The CSS property to change the border of an element to XYZ 19.1043, 19.9924, 62.5265 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, 128, 208) }
```


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

```
.border{ border-color:rgb(0, 128, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1043, 19.9924, 62.5265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 208) }
```

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

```
.background{ background-color: rgb(0, 128,  
208) }
```

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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