

Converting Colors

XYZ(19.5395, 24.4346, 51.6601)

Have a look what the booklet for
XYZ(19.5395, 24.4346, 51.6601)
contains.

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Color

**XYZ(19.6190, 24.5416,
51.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	0093BD
RGB	0, 147, 189
RGB Percent	0%, 58%, 74%
CMY	0.9999, 0.4235, 0.2588
CMYK	1.00, 0.22, 0.00, 0.26
HSL	193°, 100%, 37%
HSV	193°, 100%, 74%
XYZ	19.6190, 24.5416, 51.8471
YIQ	107.8350, -101.0940, -18.1020

Conversions

Conversions Part 2

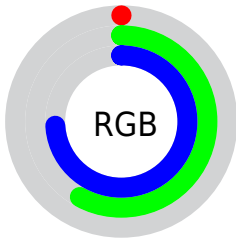
Format	Color
RYB	0, 83, 189
Decimal	37821
CIELab	56.63, -17.55, -30.96
CIELCh	57, 35.588, 240.455
Yxy	24.5416, 0.2043, 0.2556
Android (android.graphics.Color)	4278227901 (0xFF0093BD)
YUV	107.8350, 40.0143, -94.5713
Hunter-Lab	49.5395, -16.0032, -27.3742

Details

The XYZ color **19.6190, 24.5416, 51.8471** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.8158, 12.4772, 1.2595**, and the grayscale version is **14.1227, 14.8581, 16.1805**.

A 20% lighter version of the original color is **42.1919, 50.8527, 93.9780**, and **8.5560, 10.1150, 24.4231** is the 20% darker color. If you saturate the color by 10%, you get **19.6183, 24.5399, 51.8473**, and if you desaturate by 10%, it is **20.5519, 26.0104, 52.0819**.

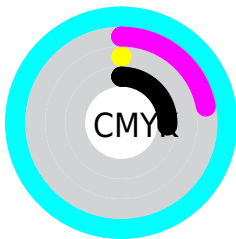
Distribution



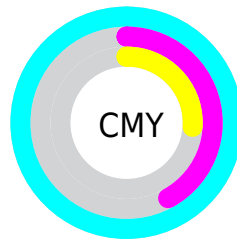
- Red (0%)
- Green (58%)
- Blue (74%)



- Red (0%)
- Yellow (33%)
- Blue (74%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (42%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6190, 24.5416, 51.8471 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 19.6190, 24.5416, 51.8471 by changing the saturation by 10% instead.

■ 19.6190, 24.5416,
51.8471

■ 19.6190, 24.5416,
51.8471

■ 242.7181,
275.5473, 410.7862

■ 12.2250, 15.7359,
36.5018

■ 42.2863, 50.9126,
94.3300

■ 6.9704, 9.3374,
24.5292

■ 58.2904, 69.2466,
122.3047

■ 3.4898, 4.9619,
15.5109

■ 77.8952, 91.5255,
155.3262

■ 1.4177, 2.2249,
9.0281

■ 101.4662,
118.1338, 193.8132

■ 0.2688, 0.7335,
4.6625

■ 129.3685,
149.4556, 238.1842

■ 0.0000, 0.0000,
1.9954

■ 161.9678,

■ 0.0000, 0.0000,

185.8756, 288.8576

0.5524

199.6292,
227.7780, 346.2521

■ 0.0000, 0.0000,
0.0000

■ 19.6190, 24.5416,
51.8471

■ 19.6190, 24.5416,
51.8471

■ 19.6183, 24.5399,
51.8473

■ 20.5519, 26.0104,
52.0819

■ 21.7672, 27.6602,
52.3363

■ 23.3599, 29.5407,
52.6154

■ 25.3774, 31.6767,
52.9213

■ 27.8600, 34.0894,
53.2562

■ 30.8432, 36.7972,
53.6216

■ 34.3586, 39.8170,
54.0192

■ 38.4355, 43.1641,
54.4504

■ 43.1008, 46.8527,
54.9165

Harmonies

Analogous

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



17.1184, 24.5416, 40.0130



19.6190, 24.5416, 51.8471



23.3893, 24.5416, 56.5926

Triad

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



19.6190, 24.5416, 51.8471



32.2197, 24.5416, 26.5412



19.5217, 24.5416, 11.5004

Complementary

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



19.6190, 24.5416, 51.8471



21.8158, 12.4772, 1.2595

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.



23.2630, 24.5416, 9.8003



19.6190, 24.5416, 51.8471



30.8778, 24.5416, 16.7573

Square

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



19.6190, 24.5416, 51.8471



30.9540, 24.5416, 39.6044



27.4729, 24.5416, 11.3976



17.0671, 24.5416, 16.9878

Rectangle

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



19.6190, 24.5416, 51.8471



26.2181, 24.5416, 54.2575



27.4729, 24.5416, 11.3976



20.6549, 24.5416, 10.5546

Sweetspot

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



19.6199, 24.5424, 51.8477



61.1990, 71.0287, 96.7106



18.5980, 36.5557, 8.1714



12.5685, 14.7717, 20.7314



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.6199, 24.5424, 51.8477



34.9494, 43.5773, 92.7954



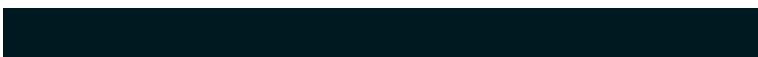
10.4853, 6.2733, 48.8029



9.6238, 10.4400, 12.1801



13.2584, 16.6284, 34.9037



0.5646, 0.7418, 1.3823

Inverse Universe

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



26.2535, 12.9263, 28.7159



46.9236, 23.1114, 50.9279



29.7150, 28.2756, 3.8926



9.8367, 9.6590, 11.5292



17.6930, 8.7083, 19.4746



0.7159, 0.3502, 0.8831

Previews

White Background



This preview shows how the XYZ color 19.6190, 24.5416, 51.8471 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 19.6190, 24.5416, 51.8471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

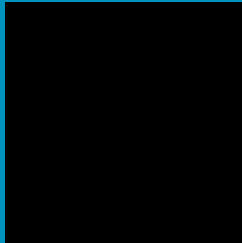
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6190, 24.5416, 51.8471

Background



This preview shows how black text looks on a background with the XYZ color 19.6190, 24.5416, 51.8471.

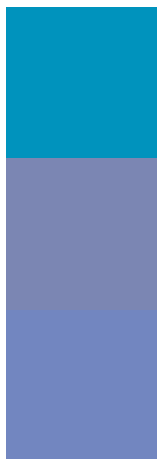


This preview shows how white text looks on a background with the XYZ color 19.6190, 24.5416,

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

19.6190, 24.5416, 51.8471

Protanopia

24.8302, 24.5158, 46.0712

Deuteranopia

24.9790, 24.4334, 53.2688



Tritanopia

17.4279, 24.4213, 37.9777

Trichromacy



Original Color

19.6190, 24.5416, 51.8471

Protanomaly

20.9217, 23.5038, 48.2337

Deuteranomaly

21.3842, 23.6433, 52.7268

Tritanomaly

18.1938, 24.4734, 42.7947

Monochromacy



Original Color

19.6190, 24.5416, 51.8471

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9291, 16.9904, 26.2122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6190, 24.5416, 51.8471 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, 147, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 189)  
}
```

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, 147, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 189) }
```

Border

The CSS property to change the border of an element to XYZ 19.6190, 24.5416, 51.8471 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, 147, 189) }
```


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

```
.border{ border-color:rgb(0, 147, 189) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6190, 24.5416, 51.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 189) }
```

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

```
.background{ background-color: rgb(0, 147,  
189) }
```

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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