

Converting Colors

XYZ(18.9060, 23.7740, 49.5781)

Have a look what the booklet for
XYZ(18.9060, 23.7740, 49.5781)
contains.

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Color

**XYZ(18.8824, 23.7536,
49.4886)**

Conversions

Conversions Part 1

Format	Color
Hex	0091B9
RGB	0, 145, 185
RGB Percent	0%, 57%, 73%
CMY	0.9998, 0.4314, 0.2745
CMYK	1.00, 0.22, 0.00, 0.27
HSL	193°, 100%, 36%
HSV	193°, 100%, 73%
XYZ	18.8824, 23.7536, 49.4886
YIQ	106.2050, -99.2600, -18.3000

Conversions

Conversions Part 2

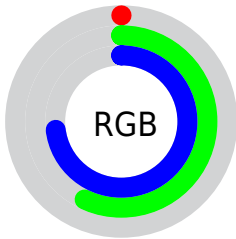
Format	Color
RYB	0, 81, 185
Decimal	37305
CIELab	55.84, -17.91, -29.91
CIELCh	56, 34.861, 239.091
Yxy	23.7536, 0.2050, 0.2578
Android (android.graphics.Color)	4278227385 (0xFF0091B9)
YUV	106.2050, 38.8459, -93.1418
Hunter-Lab	48.7377, -16.1348, -26.0872

Details

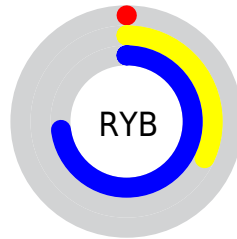
The XYZ color **18.8824, 23.7536, 49.4886** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.7682, 11.8348, 1.1909**, and the grayscale version is **13.6757, 14.3879, 15.6685**.

A 20% lighter version of the original color is **41.0199, 49.6306, 90.6368**, and **8.1676, 9.6714, 23.2661** is the 20% darker color. If you saturate the color by 10%, you get **18.8813, 23.7514, 49.4887**, and if you desaturate by 10%, it is **19.7646, 25.1324, 49.7087**.

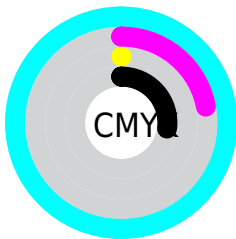
Distribution



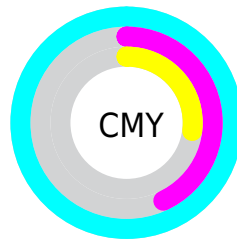
- Red (0%)
- Green (57%)
- Blue (73%)



- Red (0%)
- Yellow (32%)
- Blue (73%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (43%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8824, 23.7536, 49.4886 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 18.8824, 23.7536, 49.4886 by changing the saturation by 10% instead.

■ 18.8824, 23.7536,
49.4886

■ 18.8824, 23.7536,
49.4886

■ 238.7494,
271.5724, 401.3403

■ 11.6888, 15.1509,
34.6389

■ 41.0537, 49.6278,
90.8052

■ 6.6029, 8.9254,
23.1035

■ 56.7621, 67.6682,
118.1092

■ 3.2591, 4.6925,
14.4639

■ 76.0396, 89.6232,
150.4016

■ 1.2922, 2.0680,
8.3016

■ 99.2514, 115.8773,
188.1011

■ 0.1774, 0.6466,
4.1980

■ 126.7629,
146.8149, 231.6262

■ 0.0000, 0.0000,
1.7346

■ 158.9395,

■ 0.0000, 0.0000,

182.8203, 281.3954

0.3843

196.1466,
224.2780, 337.8272

■ 0.0000, 0.0000,
0.0000

■ 18.8824, 23.7536,
49.4886

■ 18.8824, 23.7536,
49.4886

■ 18.8813, 23.7514,
49.4887

■ 19.7646, 25.1324,
49.7087

■ 20.9133, 26.6805,
49.9470

■ 22.4201, 28.4458,
50.2083

■ 24.3300, 30.4518,
50.4948

■ 26.6812, 32.7185,
50.8084

■ 29.5070, 35.2634,
51.1507

■ 32.8378, 38.1025,
51.5232

■ 36.7011, 41.2501,
51.9271

■ 41.1225, 44.7199,
52.3638

Harmonies

Analogous

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



16.5479, 23.7536, 38.0002



18.8824, 23.7536, 49.4886



22.4563, 23.7536, 54.4195

Triad

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



18.8824, 23.7536, 49.4886



31.0916, 23.7536, 26.2116



19.0690, 23.7536, 11.0893

Complementary

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



18.8824, 23.7536, 49.4886



20.7682, 11.8348, 1.1909

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.



22.6983, 23.7536, 9.5969



18.8824, 23.7536, 49.4886



29.9173, 23.7536, 16.6328

Square

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



18.8824, 23.7536, 49.4886



29.7716, 23.7536, 38.7810



26.7248, 23.7536, 11.2875



16.6464, 23.7536, 16.1897

Rectangle

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



18.8824, 23.7536, 49.4886



25.1640, 23.7536, 52.4755



26.7248, 23.7536, 11.2875



20.1739, 23.7536, 10.2291

Sweetspot

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



18.8832, 23.7544, 49.4892



58.4831, 67.9666, 92.2411



17.6841, 34.8323, 7.5443



12.0499, 14.1822, 19.8239



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.8832, 23.7544, 49.4892



33.6376, 42.1813, 88.5735



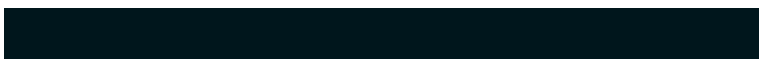
10.1490, 6.2860, 46.5778



9.0974, 9.8721, 11.5055



12.9113, 16.2823, 33.7154



0.4968, 0.6573, 1.2024

Inverse Universe

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



25.1192, 12.3597, 27.8505



44.8957, 22.0977, 49.3985



27.9260, 26.1505, 3.5769



9.2955, 9.1286, 10.9036



17.1307, 8.4260, 19.1069



0.6249, 0.3054, 0.7843

Previews

White Background



This preview shows how the XYZ color 18.8824, 23.7536, 49.4886 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 18.8824, 23.7536, 49.4886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

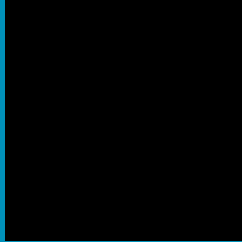
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8824, 23.7536, 49.4886

Background



This preview shows how black text looks on a background with the XYZ color 18.8824, 23.7536, 49.4886.

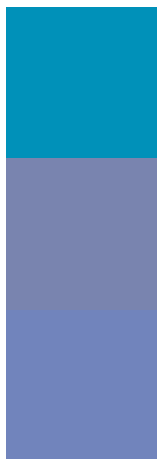


This preview shows how white text looks on a background with the XYZ color 18.8824, 23.7536,

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

18.8824, 23.7536, 49.4886

Protanopia

23.8743, 23.6626, 43.8665

Deuteranopia

24.1384, 23.6441, 50.8685



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

18.8824, 23.7536, 49.4886

Protanomaly

20.1429, 22.7238, 45.9723

Deuteranomaly

20.5878, 22.8569, 50.3404

Tritanomaly

17.5952, 23.7320, 41.1895

Monochromacy



Original Color

18.8824, 23.7536, 49.4886

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4044, 16.3755, 25.3760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8824, 23.7536, 49.4886 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, 145, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 185)  
}
```

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, 145, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 185) }
```

Border

The CSS property to change the border of an element to XYZ 18.8824, 23.7536, 49.4886 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, 145, 185) }
```


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

```
.border{ border-color:rgb(0, 145, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8824, 23.7536, 49.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 185) }
```

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

```
.background{ background-color: rgb(0, 145,  
185) }
```

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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