

Converting Colors

XYZ(18.4286, 23.5041, 47.3084)

Have a look what the booklet for
XYZ(18.4286, 23.5041, 47.3084)
contains.

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Color

**XYZ(18.4659, 23.5870,
47.2956)**

Conversions

Conversions Part 1

Format	Color
Hex	0091B5
RGB	0, 145, 181
RGB Percent	0%, 57%, 71%
CMY	0.9999, 0.4314, 0.2902
CMYK	1.00, 0.20, 0.00, 0.29
HSL	192°, 100%, 35%
HSV	192°, 100%, 71%
XYZ	18.4659, 23.5870, 47.2956
YIQ	105.7490, -97.9760, -19.5440

Conversions

Conversions Part 2

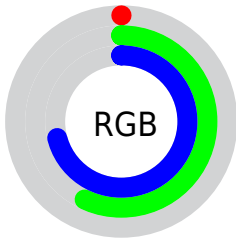
Format	Color
RYB	0, 81, 181
Decimal	37301
CIELab	55.67, -19.34, -27.89
CIELCh	56, 33.944, 235.262
Yxy	23.5870, 0.2067, 0.2640
Android (android.graphics.Color)	4278227381 (0xFF0091B5)
YUV	105.7490, 37.0987, -92.7419
Hunter-Lab	48.5664, -17.1221, -23.7420

Details

The XYZ color **18.4659, 23.5870, 47.2956** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.6884, 11.0878, 1.1035**, and the grayscale version is **13.5552, 14.2611, 15.5303**.

A 20% lighter version of the original color is **40.3256, 49.3410, 87.5191**, and **7.8990, 9.5639, 21.8518** is the 20% darker color. If you saturate the color by 10%, you get **18.4652, 23.5854, 47.2958**, and if you desaturate by 10%, it is **19.2772, 24.8354, 47.4943**.

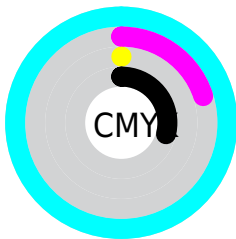
Distribution



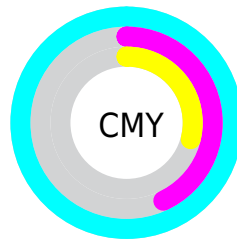
- Red (0%)
- Green (57%)
- Blue (71%)



- Red (0%)
- Yellow (32%)
- Blue (71%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4659, 23.5870, 47.2956 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 18.4659, 23.5870, 47.2956 by changing the saturation by 10% instead.

■ 18.4659, 23.5870,
47.2956

■ 18.4659, 23.5870,
47.2956

■ 236.4793,
270.7258, 392.4211

■ 11.3867, 15.0275,
32.9134

■ 40.3535, 49.3554,
87.5093

■ 6.3968, 8.8387,
21.7895

■ 55.8926, 67.3331,
114.1778

■ 3.1307, 4.6361,
13.5055

■ 74.9825, 89.2191,
145.7789

■ 1.2233, 2.0354,
7.6427

■ 97.9883, 115.3976,
182.7311

■ 0.1246, 0.6279,
3.7827

■ 125.2756,
146.2532, 225.4528

■ 0.0000, 0.0000,
1.5069

■ 157.2096,

■ 0.0000, 0.0000,

182.1701, 274.3627

0.2231

194.1557,
223.5329, 329.8793

■ 0.0000, 0.0000,
0.0000

■ 18.4659, 23.5870,
47.2956

■ 18.4659, 23.5870,
47.2956

■ 18.4652, 23.5854,
47.2958

■ 19.2772, 24.8354,
47.4943

■ 20.3376, 26.2380,
47.7091

■ 21.7355, 27.8409,
47.9448

■ 23.5135, 29.6663,
48.2035

■ 25.7074, 31.7330,
48.4867

■ 28.3491, 34.0575,
48.7962

■ 31.4671, 36.6548,
49.1332

■ 35.0875, 39.5386,
49.4990

■ 39.2345, 42.7215,
49.8948

Harmonies

Analogous

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



16.3776, 23.5870, 35.8143



18.4659, 23.5870, 47.2956



21.8138, 23.5870, 53.0750

Triad

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



18.4659, 23.5870, 47.2956



30.6193, 23.5870, 27.4704



19.4106, 23.5870, 10.9031

Complementary

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



18.4659, 23.5870, 47.2956



19.6884, 11.0878, 1.1035

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.



23.0347, 23.5870, 9.8375



18.4659, 23.5870, 47.2956



29.7881, 23.5870, 17.6677

Square

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



18.4659, 23.5870, 47.2956



29.0564, 23.5870, 39.7284



26.8989, 23.5870, 11.9208



16.8778, 23.5870, 15.4115

Rectangle

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



18.4659, 23.5870, 47.2956



24.4208, 23.5870, 51.9889



26.8989, 23.5870, 11.9208



20.5292, 23.5870, 10.1973

Sweetspot

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



18.4667, 23.5878, 47.2962



56.0438, 65.3926, 87.9628



16.8020, 33.1594, 6.9693



11.5938, 13.7061, 18.9567



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.4667, 23.5878, 47.2962



32.9062, 41.9122, 84.6501



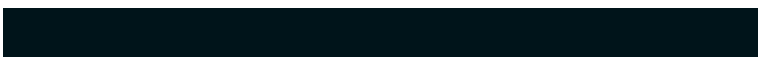
9.8211, 6.2966, 44.4143



8.5962, 9.3386, 10.8558



12.7788, 16.3579, 32.6209



0.4387, 0.5879, 1.0386

Inverse Universe

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



24.1676, 11.8690, 27.8060



43.1987, 21.2220, 49.3577



26.2260, 24.1630, 3.2827



8.7761, 8.6172, 10.3195



16.6848, 8.1915, 19.2978



0.5434, 0.2651, 0.7045

Previews

White Background



This preview shows how the XYZ color 18.4659, 23.5870, 47.2956 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 18.4659, 23.5870, 47.2956 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 18.4659, 23.5870, 47.2956

Background



This preview shows how black text looks on a background with the XYZ color 18.4659, 23.5870, 47.2956.

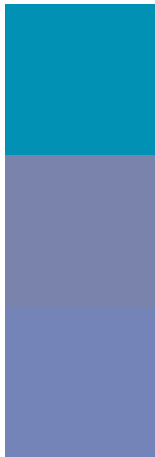


This preview shows how white text looks on a background with the XYZ color 18.4659, 23.5870,

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

18.4659, 23.5870, 47.2956

Protanopia

23.4930, 23.3104, 41.7892

Deuteranopia

23.9705, 23.4063, 48.6019



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

18.4659, 23.5870, 47.2956

Protanomaly

19.6839, 22.3232, 43.8288

Deuteranomaly

20.1754, 22.4831, 48.0761

Tritanomaly

17.4088, 23.6575, 40.2080

Monochromacy



Original Color

18.4659, 23.5870, 47.2956

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.2648, 16.3197, 24.6412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4659, 23.5870, 47.2956 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 181) }
```

Border

The CSS property to change the border of an element to XYZ 18.4659, 23.5870, 47.2956 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, 181) }
```


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

```
.border{ border-color:rgb(0, 145, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4659, 23.5870, 47.2956 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, 181) }
```

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

```
.background{ background-color: rgb(0, 145,  
181) }
```

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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