

Converting Colors

XYZ(17.1301, 23.0940, 47.3550)

Have a look what the booklet for
XYZ(17.1301, 23.0940, 47.3550)
contains.

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Color

**XYZ(18.6194, 23.8940,
47.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	0092B5
RGB	0, 146, 181
RGB Percent	0%, 57%, 71%
CMY	0.9999, 0.4274, 0.2902
CMYK	1.00, 0.19, 0.00, 0.29
HSL	192°, 100%, 35%
HSV	192°, 100%, 71%
XYZ	18.6194, 23.8940, 47.3467
YIQ	106.3360, -98.2510, -20.0670

Conversions

Conversions Part 2

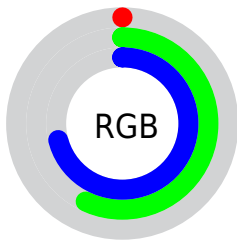
Format	Color
RYB	0, 81, 181
Decimal	37557
CIELab	55.98, -19.88, -27.42
CIELCh	56, 33.863, 234.057
Yxy	23.8940, 0.2072, 0.2659
Android (android.graphics.Color)	4278227637 (0xFF0092B5)
YUV	106.3360, 36.8094, -93.2567
Hunter-Lab	48.8815, -17.5503, -23.2114

Details

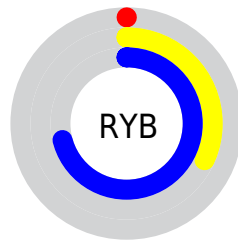
The XYZ color **18.6194, 23.8940, 47.3467** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.6585, 11.0281, 1.0936**, and the grayscale version is **13.7164, 14.4308, 15.7151**.

A 20% lighter version of the original color is **40.5564, 49.8027, 87.5961**, and **7.9885, 9.7429, 21.8816** is the 20% darker color. If you saturate the color by 10%, you get **18.6187, 23.8924, 47.3469**, and if you desaturate by 10%, it is **19.4197, 25.1204, 47.5417**.

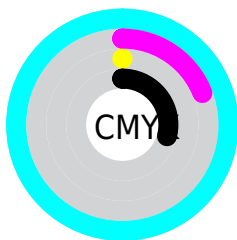
Distribution



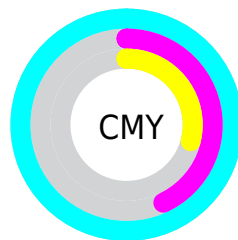
- Red (0%)
- Green (57%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6194, 23.8940, 47.3467 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 18.6194, 23.8940, 47.3467 by changing the saturation by 10% instead.

■ 18.6194, 23.8940,
47.3467

■ 18.6194, 23.8940,
47.3467

■ 237.3182,
272.2841, 392.6305

■ 11.4980, 15.2550,
32.9535

■ 40.6118, 49.8572,
87.5863

■ 6.4726, 8.9986,
21.8200

■ 56.2136, 67.9501,
114.2698

■ 3.1779, 4.7402,
13.5277

■ 75.3727, 89.9632,
145.8871

■ 1.2485, 2.0957,
7.6579

■ 98.4548, 116.2808,
182.8569

■ 0.1442, 0.6622,
3.7922

■ 125.8249,
147.2873, 225.5975

■ 0.0000, 0.0000,
1.5121

■ 157.8487,

■ 0.0000, 0.0000,

183.3671, 274.5276

0.2269

194.8913,
224.9046, 330.0658

■ 0.0000, 0.0000,
0.0000

■ 18.6194, 23.8940,
47.3467

■ 18.6194, 23.8940,
47.3467

■ 18.6187, 23.8924,
47.3469

■ 19.4197, 25.1204,
47.5417

■ 20.4682, 26.4991,
47.7526

■ 21.8532, 28.0762,
47.9840

■ 23.6173, 29.8739,
48.2380

■ 25.7965, 31.9110,
48.5163

■ 28.4224, 34.2039,
48.8205

■ 31.5236, 36.7677,
49.1519

■ 35.1263, 39.6159,
49.5118

■ 39.2545, 42.7612,
49.9013

Harmonies

Analogous

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



16.5747, 23.8940, 35.6989



18.6194, 23.8940, 47.3467



21.9492, 23.8940, 53.4664

Triad

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



18.6194, 23.8940, 47.3467



30.9384, 23.8940, 28.2845



19.8122, 23.8940, 11.0129

Complementary

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



18.6194, 23.8940, 47.3467



19.6585, 11.0281, 1.0936

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.



23.4892, 23.8940, 10.0633



18.6194, 23.8940, 47.3467



30.1998, 23.8940, 18.2652

Square

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



18.6194, 23.8940, 47.3467



29.2783, 23.8940, 40.6259



27.3609, 23.8940, 12.3035



17.2067, 23.8940, 15.4113

Rectangle

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



18.6194, 23.8940, 47.3467



24.5649, 23.8940, 52.6251



27.3609, 23.8940, 12.3035



20.9519, 23.8940, 10.3437

Sweetspot

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



18.6202, 23.8948, 47.3473



56.1463, 65.5978, 87.9970



16.8020, 33.1593, 6.9694



11.6187, 13.7559, 18.9650



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.



18.6202, 23.8948, 47.3473



33.1843, 42.4684, 84.7428



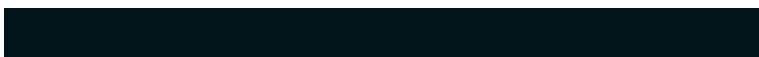
9.8211, 6.2966, 44.4143



8.6002, 9.3467, 10.8571



12.8836, 16.5676, 32.6558



0.4412, 0.5930, 1.0394

Inverse Universe

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



24.2451, 11.9000, 28.2140



43.3391, 21.2782, 50.0968



26.2260, 24.1630, 3.2827



8.7782, 8.6180, 10.3302



16.7377, 8.2126, 19.5766



0.5447, 0.2656, 0.7112

Previews

White Background



This preview shows how the XYZ color 18.6194, 23.8940, 47.3467 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 18.6194, 23.8940, 47.3467 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 18.6194, 23.8940, 47.3467

Background



This preview shows how black text looks on a background with the XYZ color 18.6194, 23.8940, 47.3467.

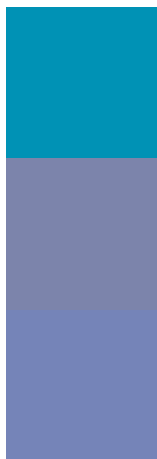


This preview shows how white text looks on a background with the XYZ color 18.6194, 23.8940,

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

18.6194, 23.8940, 47.3467

Protanopia

23.9141, 23.7279, 41.8476

Deuteranopia

24.2391, 23.7451, 48.6531



Tritanopia

17.0926, 24.0330, 36.9957

Trichromacy



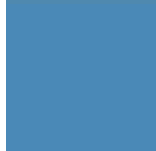
Original Color

18.6194, 23.8940, 47.3467



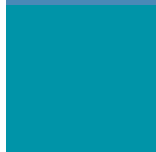
Protanomaly

19.9080, 22.6487, 43.8798



Deuteranomaly

20.3169, 22.7661, 48.1232



Tritanomaly

17.6578, 24.0070, 40.7489

Monochromacy



Original Color

18.6194, 23.8940, 47.3467



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

13.3857, 16.5615, 24.6815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6194, 23.8940, 47.3467 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, 146, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 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, 146, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 181) }
```

Border

The CSS property to change the border of an element to XYZ 18.6194, 23.8940, 47.3467 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, 146, 181) }
```


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

```
.border{ border-color:rgb(0, 146, 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, 146, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6194, 23.8940, 47.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 181) }
```

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

```
.background{ background-color: rgb(0, 146,  
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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