

Converting Colors

XYZ(18.6474, 23.6401, 48.3113)

Have a look what the booklet for
XYZ(18.6474, 23.6401, 48.3113)
contains.

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Color

**XYZ(18.6726, 23.6697,
48.3843)**

Conversions

Conversions Part 1

Format	Color
Hex	0091B7
RGB	0, 145, 183
RGB Percent	0%, 57%, 72%
CMY	0.9999, 0.4314, 0.2823
CMYK	1.00, 0.21, 0.00, 0.28
HSL	192°, 100%, 36%
HSV	192°, 100%, 72%
XYZ	18.6726, 23.6697, 48.3843
YIQ	105.9770, -98.6180, -18.9220

Conversions

Conversions Part 2

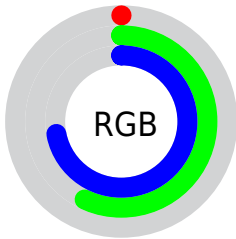
Format	Color
RYB	0, 81, 183
Decimal	37303
CIELab	55.76, -18.63, -28.90
CIELCh	56, 34.386, 237.201
Yxy	23.6697, 0.2058, 0.2609
Android (android.graphics.Color)	4278227383 (0xFF0091B7)
YUV	105.9770, 37.9723, -92.9418
Hunter-Lab	48.6515, -16.6313, -24.9083

Details

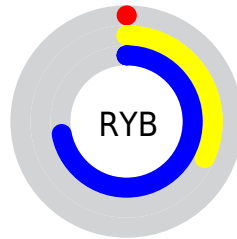
The XYZ color **18.6726, 23.6697, 48.3843** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.2229, 11.4556, 1.1462**, and the grayscale version is **13.6148, 14.3239, 15.5987**.

A 20% lighter version of the original color is **40.7227, 49.5117, 89.0718**, and **8.0320, 9.6171, 22.5521** is the 20% darker color. If you saturate the color by 10%, you get **18.6720, 23.6683, 48.3845**, and if you desaturate by 10%, it is **19.5192, 24.9832, 48.5937**.

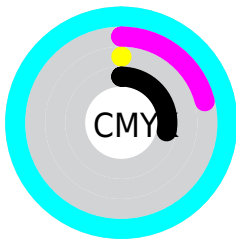
Distribution



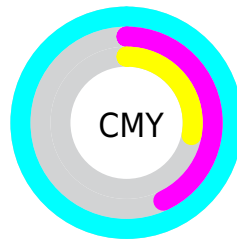
- Red (0%)
- Green (57%)
- Blue (72%)



- Red (0%)
- Yellow (32%)
- Blue (72%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (43%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6726, 23.6697, 48.3843 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 18.6726, 23.6697, 48.3843 by changing the saturation by 10% instead.

■ 18.6726, 23.6697,
48.3843

■ 18.6726, 23.6697,
48.3843

237.6083,
271.1463, 396.8659

■ 11.5365, 15.0888,
33.7692

■ 40.7013, 49.4907,
89.1478

■ 6.4989, 8.8817,
22.4404

■ 56.3247, 67.4995,
116.1333

■ 3.1943, 4.6641,
13.9795

■ 75.5078, 89.4198,
148.0793

■ 1.2573, 2.0516,
7.9678

■ 98.6162, 115.6358,
185.4043

■ 0.1509, 0.6372,
3.9869

■ 126.0150,
146.5321, 228.5270

■ 0.0000, 0.0000,
1.6181

■ 158.0697,

■ 0.0000, 0.0000,

182.4931, 277.8658

0.3037

195.1457,
223.9030, 333.8392

■ 0.0000, 0.0000,
0.0000

■ 18.6726, 23.6697,
48.3843

■ 18.6726, 23.6697,
48.3843

■ 18.6720, 23.6683,
48.3845

■ 19.5192, 24.9832,
48.5937

■ 20.6235, 26.4582,
48.8202

■ 22.0754, 28.1418,
49.0686

■ 23.9188, 30.0569,
49.3411

■ 26.1906, 32.2228,
49.6394

■ 28.9235, 34.6565,
49.9652

■ 32.1469, 37.3736,
50.3197

■ 35.8875, 40.3879,
50.7044

■ 40.1703, 43.7127,
51.1204

Harmonies

Analogous

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



16.4618, 23.6697, 36.8960



18.6726, 23.6697, 48.3843



22.1329, 23.6697, 53.7457

Triad

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



18.6726, 23.6697, 48.3843



30.8548, 23.6697, 26.8361



19.2388, 23.6697, 10.9948

Complementary

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



18.6726, 23.6697, 48.3843



20.2229, 11.4556, 1.1462

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.



22.8658, 23.6697, 9.7157



18.6726, 23.6697, 48.3843



29.8526, 23.6697, 17.1445

Square

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



18.6726, 23.6697, 48.3843



29.4123, 23.6697, 39.2536



26.8117, 23.6697, 11.6004



16.7612, 23.6697, 15.7962

Rectangle

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



18.6726, 23.6697, 48.3843



24.7900, 23.6697, 52.2332



26.8117, 23.6697, 11.6004



20.3506, 23.6697, 10.2121

Sweetspot

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



18.6734, 23.6705, 48.3849



57.2558, 66.6725, 90.0871



17.2621, 33.9988, 7.3722



12.0902, 14.2627, 19.8374



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.



18.6734, 23.6705, 48.3849



33.2696, 42.0464, 86.5980



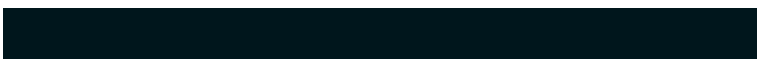
9.9102, 6.1441, 45.4638



9.1041, 9.8853, 11.5077



13.0762, 16.6120, 33.7703



0.5014, 0.6665, 1.2040

Inverse Universe

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



24.6400, 12.1125, 27.8281



44.0414, 21.6568, 49.3788



27.2623, 25.5345, 3.4927



9.2989, 9.1299, 10.9213



17.2139, 8.4593, 19.5451



0.6273, 0.3064, 0.7965

Previews

White Background



This preview shows how the XYZ color 18.6726, 23.6697, 48.3843 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 18.6726, 23.6697, 48.3843 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 18.6726, 23.6697, 48.3843

Background



This preview shows how black text looks on a background with the XYZ color 18.6726, 23.6697, 48.3843.

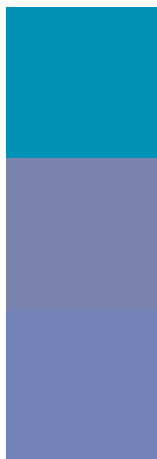


This preview shows how white text looks on a background with the XYZ color 18.6726, 23.6697,

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

18.6726, 23.6697, 48.3843

Protanopia

23.6852, 23.3873, 42.8010

Deuteranopia

24.0495, 23.4226, 49.7078



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

18.6726, 23.6697, 48.3843

Protanomaly

19.8819, 22.4023, 44.8712

Deuteranomaly

20.3088, 22.5276, 49.1768

Tritanomaly

17.5016, 23.6946, 40.6969

Monochromacy



Original Color

18.6726, 23.6697, 48.3843

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3343, 16.3475, 25.0068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6726, 23.6697, 48.3843 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 183) }
```

Border

The CSS property to change the border of an element to XYZ 18.6726, 23.6697, 48.3843 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, 183) }
```


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

```
.border{ border-color:rgb(0, 145, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6726, 23.6697, 48.3843 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, 183) }
```

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

```
.background{ background-color: rgb(0, 145,  
183) }
```

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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