

Converting Colors

XYZ(11.9404, 21.0566, 45.9510)

Have a look what the booklet for
XYZ(11.9404, 21.0566, 45.9510)
contains.

XYZ(18.8841, 24.7496, 46.4297)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8841, 24.7496,
46.4297)**

Conversions

Conversions Part 1

Format	Color
Hex	0095B3
RGB	0, 149, 179
RGB Percent	0%, 58%, 70%
CMY	0.9999, 0.4157, 0.2980
CMYK	1.00, 0.17, 0.00, 0.30
HSL	190°, 100%, 35%
HSV	190°, 100%, 70%
XYZ	18.8841, 24.7496, 46.4297
YIQ	107.8690, -98.4340, -22.2580

Conversions

Conversions Part 2

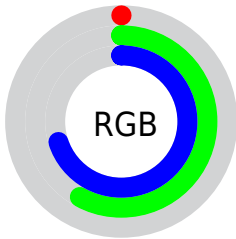
Format	Color
RYB	0, 81, 179
Decimal	38323
CIELab	56.83, -22.17, -24.97
CIELCh	57, 33.387, 228.399
Yxy	24.7496, 0.2097, 0.2748
Android (android.graphics.Color)	4278228403 (0xFF0095B3)
YUV	107.8690, 35.0676, -94.6011
Hunter-Lab	49.7490, -19.3043, -20.5099

Details

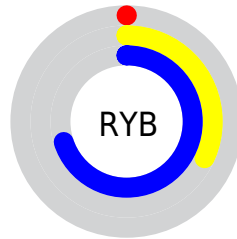
The XYZ color **18.8841, 24.7496, 46.4297** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.0558, 10.5138, 1.0259**, and the grayscale version is **14.1446, 14.8812, 16.2057**.

A 20% lighter version of the original color is **40.9674, 51.0897, 86.2994**, and **8.1336, 10.2417, 21.2868** is the 20% darker color. If you saturate the color by 10%, you get **18.8838, 24.7487, 46.4300**, and if you desaturate by 10%, it is **19.6136, 25.8399, 46.6022**.

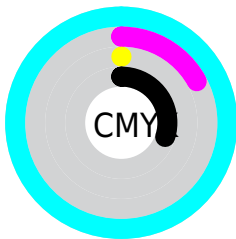
Distribution



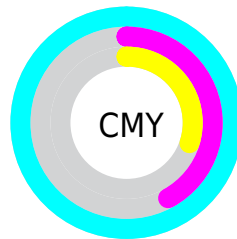
- Red (0%)
- Green (58%)
- Blue (70%)



- Red (0%)
- Yellow (32%)
- Blue (70%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (42%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8841, 24.7496, 46.4297 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 18.8841, 24.7496, 46.4297 by changing the saturation by 10% instead.

■ 18.8841, 24.7496,
46.4297

■ 18.8841, 24.7496,
46.4297

238.7586,
276.5886, 388.8612

■ 11.6901, 15.8906,
32.2339

■ 41.0566, 51.2507,
86.2028

■ 6.6037, 9.4468,
21.2739

■ 56.7657, 69.6616,
112.6171

■ 3.2596, 5.0337,
13.1312

■ 76.0439, 92.0253,
143.9415

■ 1.2925, 2.2671,
7.3872

■ 99.2565, 118.7261,
180.5943

■ 0.1776, 0.7562,
3.6233

■ 126.7690,
150.1484, 222.9941

■ 0.0000, 0.0000,
1.4210

■ 158.9466,

■ 0.0000, 0.0000,

186.6767, 271.5595

0.1581

196.1546,
228.6953, 326.7090

■ 0.0000, 0.0000,
0.0000

■ 18.8841, 24.7496,
46.4297

■ 18.8841, 24.7496,
46.4297

■ 18.8838, 24.7487,
46.4300

■ 19.6136, 25.8399,
46.6022

■ 20.5802, 27.0704,
46.7887

■ 21.8710, 28.4863,
46.9940

■ 23.5272, 30.1092,
47.2200

■ 25.5838, 31.9572,
47.4683

■ 28.0715, 34.0462,
47.7404

■ 31.0181, 36.3908,
48.0376

■ 34.4488, 39.0040,
48.3612

■ 38.3873, 41.8981,
48.7122

Harmonies

Analogous

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



17.0964, 24.7496, 34.3180



18.8841, 24.7496, 46.4297



22.0464, 24.7496, 53.9646

Triad

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



18.8841, 24.7496, 46.4297



31.6685, 24.7496, 31.5060



21.2334, 24.7496, 11.2647

Complementary

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



18.8841, 24.7496, 46.4297



19.0558, 10.5138, 1.0259

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.



25.0656, 24.7496, 10.8999



18.8841, 24.7496, 46.4297



31.3885, 24.7496, 20.7170

Square

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



18.8841, 24.7496, 46.4297



29.5945, 24.7496, 43.8874



28.8672, 24.7496, 13.8583



18.3457, 24.7496, 15.0476

Rectangle

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



18.8841, 24.7496, 46.4297



24.6372, 24.7496, 54.2967



28.8672, 24.7496, 13.8583



22.4444, 24.7496, 10.7862

Sweetspot

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



18.8849, 24.7505, 46.4303



55.2548, 64.9428, 86.0042



16.3532, 32.3338, 6.5979



11.7357, 13.9900, 19.0040



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.



18.8849, 24.7505, 46.4303



33.6767, 44.0373, 83.1063



9.7366, 6.4538, 43.3809



8.6190, 9.3843, 10.8634



13.3850, 17.5704, 32.8230



0.4532, 0.6170, 1.0434

Inverse Universe

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



24.0159, 11.7544, 29.4377



42.9378, 21.0213, 52.3369



25.2286, 22.8595, 3.0835



8.7876, 8.6218, 10.3802



16.9908, 8.3139, 20.9093



0.5508, 0.2681, 0.7432

Previews

White Background



This preview shows how the XYZ color 18.8841, 24.7496, 46.4297 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 18.8841, 24.7496, 46.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

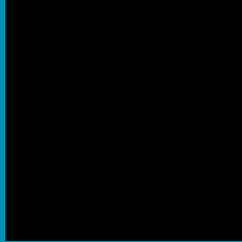
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8841, 24.7496, 46.4297

Background



This preview shows how black text looks on a background with the XYZ color 18.8841, 24.7496, 46.4297.

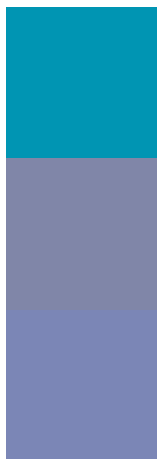


This preview shows how white text looks on a background with the XYZ color 18.8841, 24.7496,

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

18.8841, 24.7496, 46.4297

Protanopia

24.4951, 24.4665, 40.4773

Deuteranopia

25.1370, 24.6385, 47.6868



Tritanopia

17.6775, 24.7776, 38.5012

Trichromacy



Original Color

18.8841, 24.7496, 46.4297

Protanomaly

20.0724, 23.1931, 42.4485

Deuteranomaly

20.7150, 23.4211, 47.1450

Tritanomaly

18.0678, 24.6773, 41.3470

Monochromacy



Original Color

18.8841, 24.7496, 46.4297

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8403, 17.1524, 25.1355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8841, 24.7496, 46.4297 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, 149, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 179)  
}
```

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, 149, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 179) }
```

Border

The CSS property to change the border of an element to XYZ 18.8841, 24.7496, 46.4297 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, 149, 179) }
```


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

```
.border{ border-color:rgb(0, 149, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8841, 24.7496, 46.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 179) }
```

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

```
.background{ background-color: rgb(0, 149,  
179) }
```

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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