

Converting Colors

XYZ(12.2603, 19.3876, 46.8510)

Have a look what the booklet for
XYZ(12.2603, 19.3876, 46.8510)
contains.

XYZ(17.8654, 22.3859, 47.0954)	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(17.8654, 22.3859,
47.0954)**

Conversions

Conversions Part 1

Format	Color
Hex	008DB5
RGB	0, 141, 181
RGB Percent	0%, 55%, 71%
CMY	0.9998, 0.4471, 0.2902
CMYK	1.00, 0.22, 0.00, 0.29
HSL	193°, 100%, 35%
HSV	193°, 100%, 71%
XYZ	17.8654, 22.3859, 47.0954
YIQ	103.4010, -96.8760, -17.4520

Conversions

Conversions Part 2

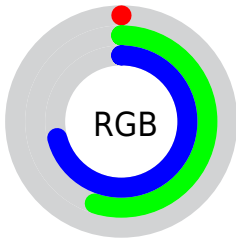
Format	Color
RYB	0, 79, 181
Decimal	36277
CIELab	54.43, -17.18, -29.81
CIELCh	54, 34.411, 240.047
Yxy	22.3859, 0.2045, 0.2563
Android (android.graphics.Color)	4278226357 (0xFF008DB5)
YUV	103.4010, 38.2563, -90.6827
Hunter-Lab	47.3137, -15.3985, -25.8968

Details

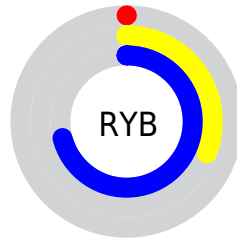
The XYZ color **17.8654, 22.3859, 47.0954** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.8166, 11.3443, 1.1464**, and the grayscale version is **12.9219, 13.5948, 14.8048**.

A 20% lighter version of the original color is **39.4173, 47.5243, 87.2164**, and **7.6374, 9.0407, 21.7646** is the 20% darker color. If you saturate the color by 10%, you get **17.8643, 22.3837, 47.0955**, and if you desaturate by 10%, it is **18.7184, 23.7177, 47.3080**.

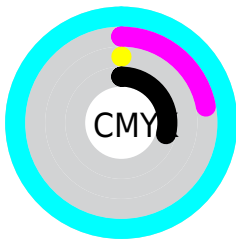
Distribution



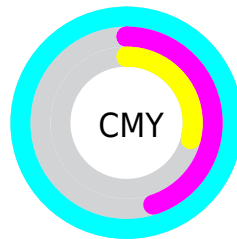
- Red (0%)
- Green (55%)
- Blue (71%)



- Red (0%)
- Yellow (31%)
- Blue (71%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8654, 22.3859, 47.0954 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 17.8654, 22.3859, 47.0954 by changing the saturation by 10% instead.

■ 17.8654, 22.3859,
47.0954

■ 17.8654, 22.3859,
47.0954

■ 233.1716,
264.5550, 391.6000

■ 10.9525, 14.1407,
32.7562

■ 39.3397, 47.3830,
87.2075

■ 6.1020, 8.2186,
21.6702

■ 54.6318, 64.9037,
113.8174

■ 2.9484, 4.2351,
13.4187

■ 73.4478, 86.2850,
145.3547

■ 1.1265, 1.8060,
7.5834

■ 96.1528, 111.9114,
182.2379

■ 0.0472, 0.4909,
3.7456

■ 123.1124,
142.1672, 224.8854

■ 0.0000, 0.0000,
1.4869

■ 154.6918,

■ 0.0000, 0.0000,

177.4367, 273.7159

0.2081

191.2564,
218.1046, 329.1479

■ 0.0000, 0.0000,
0.0000

■ 17.8654, 22.3859,
47.0954

■ 17.8654, 22.3859,
47.0954

■ 17.8643, 22.3837,
47.0955

■ 18.7184, 23.7177,
47.3080

■ 19.8245, 25.2115,
47.5380

■ 21.2722, 26.9137,
47.7903

■ 23.1039, 28.8466,
48.0668

■ 25.3558, 31.0289,
48.3693

■ 28.0596, 33.4774,
48.6994

■ 31.2439, 36.2071,
49.0585

■ 34.9349, 39.2319,
49.4478

■ 39.1569, 42.5645,
49.8685

Harmonies

Analogous

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



15.6089, 22.3859, 36.2908



17.8654, 22.3859, 47.0954



21.2831, 22.3859, 51.5204

Triad

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



17.8654, 22.3859, 47.0954



29.3630, 22.3859, 24.3574



17.8562, 22.3859, 10.4784

Complementary

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



17.8654, 22.3859, 47.0954



19.8166, 11.3443, 1.1464

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.



21.2712, 22.3859, 8.9710



17.8654, 22.3859, 47.0954



28.1743, 22.3859, 15.4020

Square

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



17.8654, 22.3859, 47.0954



28.1814, 22.3859, 36.2524



25.0977, 22.3859, 10.4687



15.6040, 22.3859, 15.4237

Rectangle

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



17.8654, 22.3859, 47.0954



23.8548, 22.3859, 49.4802



25.0977, 22.3859, 10.4687



18.8922, 22.3859, 9.6313

Sweetspot

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



17.8662, 22.3867, 47.0960



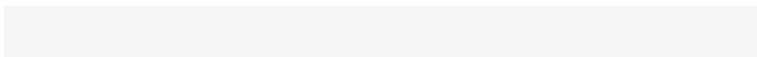
55.6357, 64.5766, 87.8268



16.8949, 33.1965, 7.4583



11.4948, 13.5081, 18.9237



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.



17.8662, 22.3867, 47.0960



31.8184, 39.7365, 84.2875



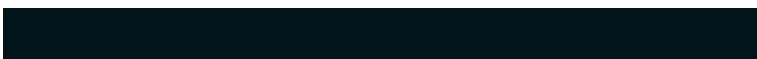
9.5386, 5.7316, 44.3201



8.5802, 9.3065, 10.8504



12.3681, 15.5366, 32.4840



0.4287, 0.5679, 1.0353

Inverse Universe

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



23.8645, 11.7479, 26.2096



42.6496, 21.0024, 46.4661



27.0031, 25.7172, 3.5419



8.7680, 8.6139, 10.2768



16.4775, 8.1086, 18.2064



0.5384, 0.2631, 0.6779

Previews

White Background



This preview shows how the XYZ color 17.8654, 22.3859, 47.0954 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 17.8654, 22.3859, 47.0954 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 17.8654, 22.3859, 47.0954

Background



This preview shows how black text looks on a background with the XYZ color 17.8654, 22.3859, 47.0954.

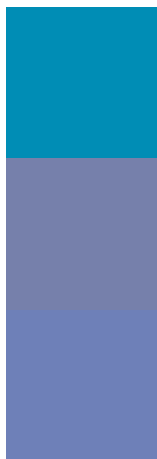


This preview shows how white text looks on a background with the XYZ color 17.8654, 22.3859,

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

17.8654, 22.3859, 47.0954

Protanopia

22.5411, 22.2302, 41.6309

Deuteranopia

22.8013, 22.2140, 48.4334



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

17.8654, 22.3859, 47.0954

Protanomaly

19.0270, 21.3661, 43.6787

Deuteranomaly

19.4606, 21.4960, 47.9232

Tritanomaly

16.5233, 22.3253, 38.5603

Monochromacy



Original Color

17.8654, 22.3859, 47.0954

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7048, 15.5195, 23.7987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8654, 22.3859, 47.0954 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, 141, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 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, 141, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 181) }
```

Border

The CSS property to change the border of an element to XYZ 17.8654, 22.3859, 47.0954 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, 141, 181) }
```


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

```
.border{ border-color:rgb(0, 141, 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, 141, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8654, 22.3859, 47.0954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 181) }
```

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

```
.background{ background-color: rgb(0, 141,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor