

Converting Colors

XYZ(7.4311, 16.8879, 50.3782)

Have a look what the booklet for
XYZ(7.4311, 16.8879, 50.3782)
contains.

XYZ(18.6020, 22.6806, 50.9743)	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(18.6020, 22.6806,
50.9743)**

Conversions

Conversions Part 1

Format	Color
Hex	008DBC
RGB	0, 141, 188
RGB Percent	0%, 55%, 74%
CMY	0.9998, 0.4471, 0.2627
CMYK	1.00, 0.25, 0.00, 0.26
HSL	195°, 100%, 37%
HSV	195°, 100%, 74%
XYZ	18.6020, 22.6806, 50.9743
YIQ	104.1990, -99.1230, -15.2750

Conversions

Conversions Part 2

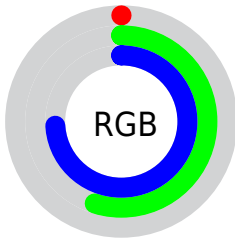
Format	Color
RYB	0, 81, 188
Decimal	36284
CIELab	54.74, -14.62, -33.33
CIELCh	55, 36.395, 246.309
Yxy	22.6806, 0.2016, 0.2458
Android (android.graphics.Color)	4278226364 (0xFF008DBC)
YUV	104.1990, 41.3139, -91.3825
Hunter-Lab	47.6242, -13.6201, -30.1239

Details

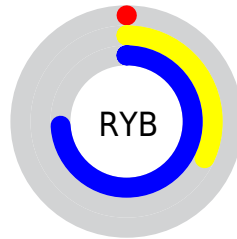
The XYZ color **18.6020, 22.6806, 50.9743** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.7576, 12.7278, 1.3111**, and the grayscale version is **13.1267, 13.8103, 15.0394**.

A 20% lighter version of the original color is **40.5636, 47.9948, 92.7139**, and **8.0442, 9.2034, 23.9067** is the 20% darker color. If you saturate the color by 10%, you get **18.6008, 22.6781, 50.9743**, and if you desaturate by 10%, it is **19.5757, 24.2339, 51.2233**.

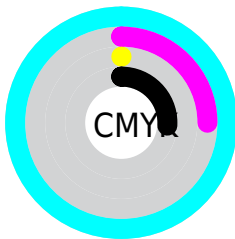
Distribution



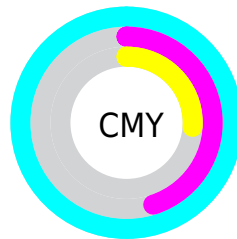
- Red (0%)
- Green (55%)
- Blue (74%)



- Red (0%)
- Yellow (32%)
- Blue (74%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (45%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6020, 22.6806, 50.9743 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 18.6020, 22.6806, 50.9743 by changing the saturation by 10% instead.

■ 18.6020, 22.6806,
50.9743

■ 18.6020, 22.6806,
50.9743

237.2232,
266.0802, 407.3076

■ 11.4853, 14.3578,
35.8116

■ 40.5826, 47.8683,
93.0279

■ 6.4640, 8.3700,
24.0002

■ 56.1772, 65.5021,
120.7558

■ 3.1725, 4.3326,
15.1215

■ 75.3285, 87.0083,
153.5093

■ 1.2456, 1.8613,
8.7572

■ 98.4019, 112.7714,
191.7067

■ 0.1420, 0.5249,
4.4885

■ 125.7627,
143.1758, 235.7668

■ 0.0000, 0.0000,
1.8970

■ 157.7763,

■ 0.0000, 0.0000,

178.6057, 286.1079

0.4908

194.8080,
219.4458, 343.1487

■ 0.0000, 0.0000,
0.0000

■ 18.6020, 22.6806,
50.9743

■ 18.6020, 22.6806,
50.9743

■ 18.6008, 22.6781,
50.9743

■ 19.5757, 24.2339,
51.2233

■ 20.8342, 25.9778,
51.4936

■ 22.4716, 27.9619,
51.7902

■ 24.5348, 30.2106,
52.1155

■ 27.0638, 32.7452,
52.4715

■ 30.0934, 35.5842,
52.8597

■ 33.6552, 38.7442,
53.2820

■ 37.7781, 42.2406,
53.7395

■ 42.4887, 46.0876,
54.2338

Harmonies

Analogous

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



15.9160, 22.6806, 40.2346



18.6020, 22.6806, 50.9743



22.4166, 22.6806, 53.8294

Triad

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



18.6020, 22.6806, 50.9743



30.1757, 22.6806, 22.3450



17.3020, 22.6806, 10.8211

Complementary

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



18.6020, 22.6806, 50.9743



21.7576, 12.7278, 1.3111

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.



20.7201, 22.6806, 8.5950



18.6020, 22.6806, 50.9743



28.3950, 22.6806, 13.7818

Square

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



18.6020, 22.6806, 50.9743



29.4265, 22.6806, 34.6857



24.8100, 22.6806, 9.4793



15.2332, 22.6806, 16.8350

Rectangle

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



18.6020, 22.6806, 50.9743



25.1625, 22.6806, 50.2857



24.8100, 22.6806, 9.4793



18.3139, 22.6806, 9.7065

Sweetspot

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



18.6028, 22.6814, 50.9749



60.6392, 69.9091, 96.5240



18.4976, 36.1725, 8.6997



12.4334, 14.5014, 20.6863



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.6028, 22.6814, 50.9749



33.5059, 40.6904, 92.3143



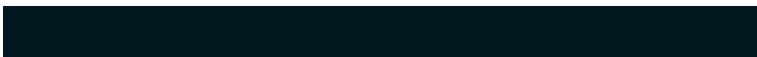
10.0954, 5.6666, 48.1391



9.6011, 10.3945, 12.1725



12.7256, 15.5630, 34.7261



0.5475, 0.7076, 1.3766

Inverse Universe

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



25.5475, 12.6155, 26.2885



46.1950, 22.8200, 47.0913



30.2659, 29.7445, 4.1472



9.8252, 9.6544, 11.4687



17.4241, 8.6008, 18.0586



0.7072, 0.3468, 0.8376

Previews

White Background



This preview shows how the XYZ color 18.6020, 22.6806, 50.9743 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 18.6020, 22.6806, 50.9743 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 18.6020, 22.6806, 50.9743

Background



This preview shows how black text looks on a background with the XYZ color 18.6020, 22.6806, 50.9743.

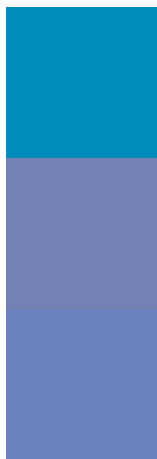


This preview shows how white text looks on a background with the XYZ color 18.6020, 22.6806,

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

18.6020, 22.6806, 50.9743

Protanopia

23.0886, 22.6279, 45.2702

Deuteranopia

23.0799, 22.4654, 52.4100



Tritanopia

16.1261, 22.6511, 34.9747

Trichromacy



Original Color

18.6020, 22.6806, 50.9743



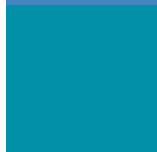
Protanomaly

19.6551, 21.6083, 47.3909



Deuteranomaly

19.9965, 21.6861, 51.8471



Tritanomaly

17.0411, 22.7737, 40.5434

Monochromacy



Original Color

18.6020, 22.6806, 50.9743



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

12.9812, 15.6301, 25.2544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6020, 22.6806, 50.9743 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 188) }
```

Border

The CSS property to change the border of an element to XYZ 18.6020, 22.6806, 50.9743 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, 188) }
```


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

```
.border{ border-color:rgb(0, 141, 188) }
```

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, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6020, 22.6806, 50.9743 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, 188) }
```

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

```
.background{ background-color: rgb(0, 141,  
188) }
```

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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