

Converting Colors

XYZ(19.8725, 26.3995, 47.7659)

Have a look what the booklet for
XYZ(19.8725, 26.3995, 47.7659)
contains.

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Color

**XYZ(19.8961, 26.4474,
47.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	009AB5
RGB	0, 154, 181
RGB Percent	0%, 60%, 71%
CMY	0.9999, 0.3961, 0.2902
CMYK	1.00, 0.15, 0.00, 0.29
HSL	189°, 100%, 35%
HSV	189°, 100%, 71%
XYZ	19.8961, 26.4474, 47.7723
YIQ	111.0320, -100.4510, -24.2510

Conversions

Conversions Part 2

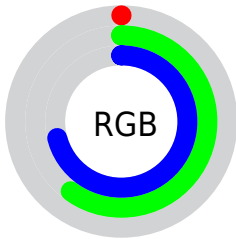
Format	Color
RYB	0, 83, 181
Decimal	39605
CIELab	58.46, -24.07, -23.60
CIELCh	58, 33.704, 224.435
Yxy	26.4474, 0.2114, 0.2810
Android (android.graphics.Color)	4278229685 (0xFF009AB5)
YUV	111.0320, 34.4942, -97.3751
Hunter-Lab	51.4270, -20.9392, -19.0775

Details

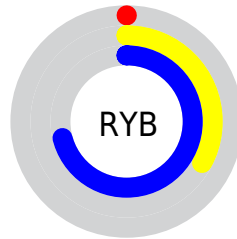
The XYZ color **19.8961, 26.4474, 47.7723** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.4492, 10.6094, 1.0238**, and the grayscale version is **15.0461, 15.8297, 17.2385**.

A 20% lighter version of the original color is **42.8058, 54.1482, 88.3163**, and **8.7465, 11.2590, 22.1343** is the 20% darker color. If you saturate the color by 10%, you get **19.8956, 26.4463, 47.7726**, and if you desaturate by 10%, it is **20.5993, 27.4795, 47.9350**.

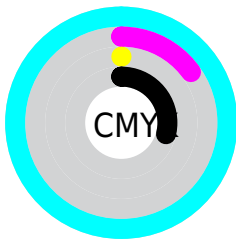
Distribution



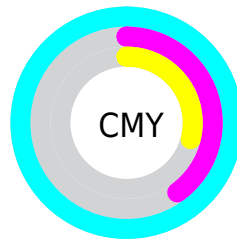
- Red (0%)
- Green (60%)
- Blue (71%)



- Red (0%)
- Yellow (33%)
- Blue (71%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8961, 26.4474, 47.7723 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 19.8961, 26.4474, 47.7723 by changing the saturation by 10% instead.

■ 19.8961, 26.4474,
47.7723

■ 19.8961, 26.4474,
47.7723

■ 244.1964,
284.9715, 394.3715

■ 12.4274, 17.1586,
33.2879

■ 42.7482, 53.9958,
88.2273

■ 7.1097, 10.3477,
22.0742

■ 58.8623, 73.0243,
115.0350

■ 3.5777, 5.6301,
13.7126

■ 78.5888, 96.0681,
146.7875

■ 1.4661, 2.6215,
7.7846

■ 102.2932,
123.5117, 183.9034

■ 0.3026, 0.9375,
3.8716

■ 130.3408,
155.7394, 226.8012

■ 0.0000, 0.0000,
1.5552

■ 163.0970,

■ 0.0000, 0.0000,

193.1357, 275.8994

0.2585

200.9271,
236.0849, 331.6167

■ 0.0000, 0.0000,
0.0000

■ 19.8961, 26.4474,
47.7723

■ 19.8961, 26.4474,
47.7723

■ 19.8956, 26.4463,
47.7726

■ 20.5993, 27.4795,
47.9350

■ 21.5439, 28.6506,
48.1112

■ 22.8186, 30.0069,
48.3058

■ 24.4655, 31.5703,
48.5208

■ 26.5207, 33.3594,
48.7578

■ 29.0158, 35.3907,
49.0184

■ 31.9792, 37.6788,
49.3038

■ 35.4370, 40.2373,
49.6154

■ 39.4132, 43.0788,
49.9543

Harmonies

Analogous

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



18.2217, 26.4474, 34.8284



19.8961, 26.4474, 47.7723



23.0717, 26.4474, 56.6366

Triad

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



19.8961, 26.4474, 47.7723



33.5641, 26.4474, 35.3215



23.2146, 26.4474, 11.9434

Complementary

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



19.8961, 26.4474, 47.7723



19.4492, 10.6094, 1.0238

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.



27.3230, 26.4474, 12.0080



19.8961, 26.4474, 47.7723



33.6132, 26.4474, 23.5050

Square

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



19.8961, 26.4474, 47.7723



31.0993, 26.4474, 48.2172



31.2269, 26.4474, 15.6580



19.9908, 26.4474, 15.4481

Rectangle

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



19.8961, 26.4474, 47.7723



25.7548, 26.4474, 57.8443



31.2269, 26.4474, 15.6580



24.5301, 26.4474, 11.5866

Sweetspot

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



19.8970, 26.4483, 47.7730



56.9754, 67.2559, 88.2734



16.6911, 33.1150, 6.3853



11.8203, 14.1590, 19.0322



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.



19.8970, 26.4483, 47.7730



35.4992, 47.0981, 85.5144



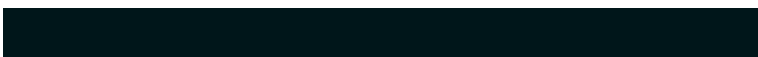
10.3121, 7.2786, 44.5780



8.6325, 9.4112, 10.8679



13.7555, 18.3113, 32.9464



0.4620, 0.6346, 1.0464

Inverse Universe

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



24.8896, 12.1578, 31.6076



44.5075, 21.7456, 56.2497



25.1471, 22.0051, 2.9230



8.7944, 8.6245, 10.4160



17.1778, 8.3887, 21.8939



0.5552, 0.2698, 0.7666

Previews

White Background



This preview shows how the XYZ color 19.8961, 26.4474, 47.7723 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 19.8961, 26.4474, 47.7723 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

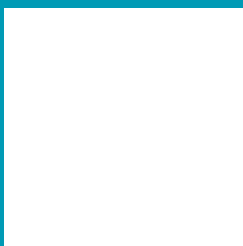
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8961, 26.4474, 47.7723

Background



This preview shows how black text looks on a background with the XYZ color 19.8961, 26.4474, 47.7723.

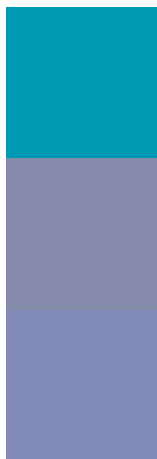


This preview shows how white text looks on a background with the XYZ color 19.8961, 26.4474,

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

19.8961, 26.4474, 47.7723

Protanopia

26.0170, 26.0658, 41.6902

Deuteranopia

26.8987, 26.3469, 49.5667



Tritanopia

18.9564, 26.6041, 41.1818

Trichromacy



Original Color

19.8961, 26.4474, 47.7723

Protanomaly

21.3596, 24.9338, 43.7313

Deuteranomaly

22.1047, 25.2010, 49.0466

Tritanomaly

19.2642, 26.4598, 43.6271

Monochromacy



Original Color

19.8961, 26.4474, 47.7723

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.6318, 18.2959, 26.0528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8961, 26.4474, 47.7723 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, 154, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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, 154, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 181) }
```

Border

The CSS property to change the border of an element to XYZ 19.8961, 26.4474, 47.7723 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, 154, 181) }
```


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

```
.border{ border-color:rgb(0, 154, 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, 154, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8961, 26.4474, 47.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 181) }
```

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

```
.background{ background-color: rgb(0, 154,  
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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