

Converting Colors

XYZ(8.9356, 20.1119, 61.2042)

Have a look what the booklet for
XYZ(8.9356, 20.1119, 61.2042)
contains.

XYZ(22.2477, 26.8643, 61.7703)	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(22.2477, 26.8643,
61.7703)**

Conversions

Conversions Part 1

Format	Color
Hex	0098CD
RGB	0, 152, 205
RGB Percent	0%, 60%, 80%
CMY	0.9998, 0.4039, 0.1961
CMYK	1.00, 0.26, 0.00, 0.20
HSL	196°, 100%, 40%
HSV	196°, 100%, 80%
XYZ	22.2477, 26.8643, 61.7703
YIQ	112.5940, -107.6050, -15.7410

Conversions

Conversions Part 2

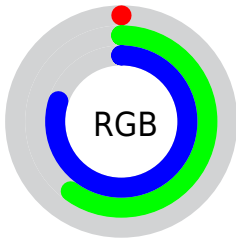
Format	Color
R _Y B	0, 87, 205
Decimal	39117
CIE Lab	58.85, -14.48, -36.52
CIE LCh	59, 39.282, 248.370
Yxy	26.8643, 0.2006, 0.2423
Android (android.graphics.Color)	4278229197 (0xFF0098CD)
YUV	112.5940, 45.5562, -98.7449
Hunter-Lab	51.8308, -14.0850, -34.3784

Details

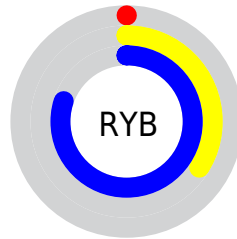
The XYZ color **22.2477, 26.8643, 61.7703** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.4525, 15.5297, 1.6047**, and the grayscale version is **15.4729, 16.2787, 17.7275**.

A 20% lighter version of the original color is **45.3768, 54.0719, 102.6531**, and **10.1587, 11.5094, 30.5403** is the 20% darker color. If you saturate the color by 10%, you get **22.2461, 26.8610, 61.7703**, and if you desaturate by 10%, it is **23.4276, 28.7789, 62.0782**.

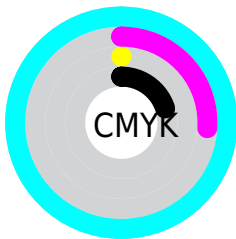
Distribution



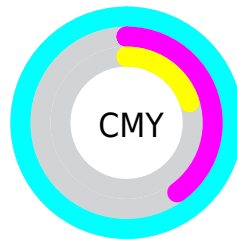
- Red (0%)
- Green (60%)
- Blue (80%)



- Red (0%)
- Yellow (34%)
- Blue (80%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2477, 26.8643, 61.7703 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 22.2477, 26.8643, 61.7703 by changing the saturation by 10% instead.

■ 22.2477, 26.8643,
61.7703

■ 22.2477, 26.8643,
61.7703

256.4452,
286.9995, 449.0772

■ 14.1566, 17.4713,
44.4125

■ 46.6309, 54.6660,
108.9619

■ 8.3121, 10.5711,
30.6554

■ 63.6537, 73.8436,
139.6327

■ 4.3488, 5.7792,
20.0803

■ 84.3845, 97.0515,
175.5784

■ 1.9013, 2.7113,
12.2688

■ 109.1885,
124.6741, 217.2173

■ 0.5776, 0.9829,
6.8022

■ 138.4313,
157.0958, 264.9682

■ 0.0000, 0.0000,
3.2622

172.4781,

■ 0.0000, 0.0000,

194.7010, 319.2494

1.2300

211.6943,
237.8741, 380.4796

■ 0.0000, 0.0000,
0.0034

■ 0.0000, 0.0000,
0.0000

■ 22.2477, 26.8643,
61.7703

■ 22.2477, 26.8643,
61.7703

■ 22.2461, 26.8610,
61.7703

■ 23.4276, 28.7789,
62.0782

■ 24.9629, 30.9342,
62.4133

■ 26.9630, 33.3876,
62.7815

■ 29.4865, 36.1701,
63.1855

■ 32.5828, 39.3078,
63.6280

■ 36.2954, 42.8237,
64.1109

■ 40.6634, 46.7388,
64.6364

■ 45.7225, 51.0720,
65.2062

■ 51.5057, 55.8411,
65.8219

Harmonies

Analogous

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



18.8971, 26.8643, 49.1619



22.2477, 26.8643, 61.7703



26.9156, 26.8643, 64.4354

Triad

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



22.2477, 26.8643, 61.7703



35.9175, 26.8643, 25.5321



20.1707, 26.8643, 12.9086

Complementary

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



22.2477, 26.8643, 61.7703



26.4525, 15.5297, 1.6047

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.



24.2000, 26.8643, 9.9833



22.2477, 26.8643, 61.7703



33.5665, 26.8643, 15.6054

Square

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



22.2477, 26.8643, 61.7703



35.2222, 26.8643, 40.2430



29.1283, 26.8643, 10.7834



17.8079, 26.8643, 20.4679

Rectangle

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



22.2477, 26.8643, 61.7703



30.2269, 26.8643, 59.6114



29.1283, 26.8643, 10.7834



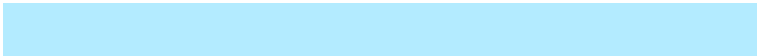
21.3533, 26.8643, 11.4803

Sweetspot

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



22.2487, 26.8652, 61.7710



66.2958, 76.2858, 105.8382



22.4360, 43.9049, 10.4570



13.5113, 15.7272, 22.5735



0.0000, 0.0000, 0.0000



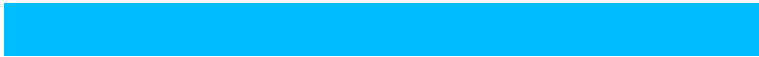
20.3446, 21.4041, 23.3091

Same Dimension

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



22.2487, 26.8652, 61.7710



36.2604, 43.6409, 101.1201



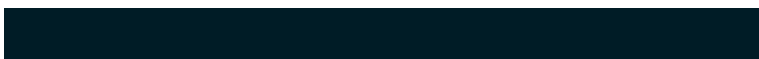
12.2165, 6.8008, 58.4269



11.2882, 12.2168, 14.3335



13.9292, 16.8824, 38.4807



0.7777, 0.9892, 2.0049

Inverse Universe

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



30.8452, 15.2473, 31.0239



50.4318, 24.9367, 50.3333



36.6937, 36.0122, 5.0184



11.5588, 11.3523, 13.4774



19.2417, 9.5073, 19.5234



1.0225, 0.5024, 1.1643

Previews

White Background



This preview shows how the XYZ color 22.2477, 26.8643, 61.7703 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 22.2477, 26.8643, 61.7703 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 22.2477, 26.8643, 61.7703

Background



This preview shows how black text looks on a background with the XYZ color 22.2477, 26.8643, 61.7703.

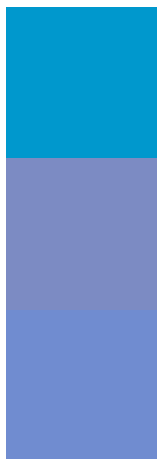


This preview shows how white text looks on a background with the XYZ color 22.2477, 26.8643,

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

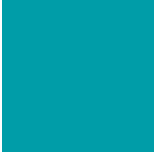
22.2477, 26.8643, 61.7703

Protanopia

27.3951, 26.6905, 55.3377

Deuteranopia

27.4453, 26.7550, 63.3922



Tritanopia

19.1249, 26.9411, 41.2380

Trichromacy



Original Color

22.2477, 26.8643, 61.7703

Protanomaly

23.5065, 25.7323, 57.7607

Deuteranomaly

23.8343, 25.7911, 62.7535

Tritanomaly

20.0618, 26.7789, 47.8275

Monochromacy



Original Color

22.2477, 26.8643, 61.7703

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4502, 18.6318, 29.9761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2477, 26.8643, 61.7703 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, 152, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 205)  
}
```

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, 152, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 205) }
```

Border

The CSS property to change the border of an element to XYZ 22.2477, 26.8643, 61.7703 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, 152, 205) }
```


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

```
.border{ border-color:rgb(0, 152, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2477, 26.8643, 61.7703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 205) }
```

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

```
.background{ background-color: rgb(0, 152,  
205) }
```

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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