

Converting Colors

XYZ(16.5581, 24.9671, 61.1221)

Have a look what the booklet for
XYZ(16.5581, 24.9671, 61.1221)
contains.

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Color

**XYZ(22.7876, 28.1366,
61.3566)**

Conversions

Conversions Part 1

Format	Color
Hex	009CCC
RGB	0, 156, 204
RGB Percent	0%, 61%, 80%
CMY	0.9998, 0.3882, 0.2000
CMYK	1.00, 0.24, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	22.7876, 28.1366, 61.3566
YIQ	114.8280, -108.3840, -18.1440

Conversions

Conversions Part 2

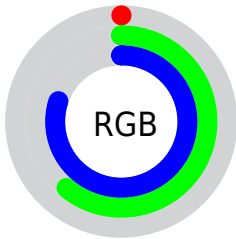
Format	Color
R_{YB}	0, 88, 204
Decimal	40140
CIE _{Lab}	60.01, -17.02, -34.14
CIE _{LCh}	60, 38.148, 243.499
Yxy	28.1366, 0.2030, 0.2506
Android (android.graphics.Color)	4278230220 (0xFF009CCC)
YUV	114.8280, 43.9618, -100.7042
Hunter-Lab	53.0439, -16.1436, -31.4507

Details

The XYZ color **22.7876, 28.1366, 61.3566** 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 **25.9613, 14.9555, 1.5198**, and the grayscale version is **16.1432, 16.9839, 18.4954**.

A 20% lighter version of the original color is **46.5998, 56.5179, 103.0607**, and **10.5566, 12.3052, 30.6729** is the 20% darker color. If you saturate the color by 10%, you get **22.7860, 28.1333, 61.3566**, and if you desaturate by 10%, it is **23.9074, 29.9341, 61.6451**.

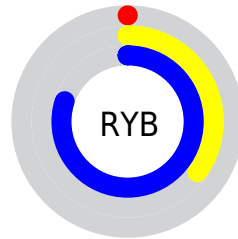
Distribution



Red (0%)

Green (61%)

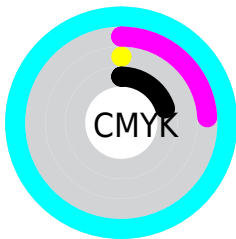
Blue (80%)



Red (0%)

Yellow (35%)

Blue (80%)

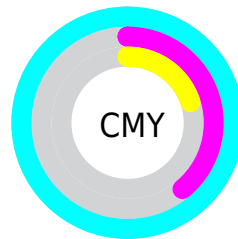


Cyan (100%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (100%)

Magenta (39%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7876, 28.1366, 61.3566 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 22.7876, 28.1366, 61.3566 by changing the saturation by 10% instead.

■ 22.7876, 28.1366,
61.3566

■ 22.7876, 28.1366,
61.3566

259.1879,
293.1191, 447.5230

■ 14.5566, 18.4287,
44.0806

■ 47.5136, 56.7025,
108.3577

■ 8.5931, 11.2582,
30.3962

■ 64.7392, 76.3292,
138.9198

■ 4.5317, 6.2408,
19.8849

■ 85.6938, 100.0309,
174.7477

■ 2.0071, 2.9920,
12.1282

■ 110.7426,
128.1921, 216.2599

■ 0.6379, 1.1276,
6.7074

■ 140.2511,
161.1971, 263.8750

■ 0.0000, 0.0013,
3.2042

174.5846,

■ 0.0000, 0.0000,

199.4303, 318.0116

1.1998

214.1084,
243.2762, 379.0880

■ 0.0000, 0.0000,
0.0000

■ 22.7876, 28.1366,
61.3566

■ 22.7876, 28.1366,
61.3566

■ 22.7860, 28.1333,
61.3566

■ 23.9074, 29.9341,
61.6451

■ 25.3720, 31.9567,
61.9583

■ 27.2899, 34.2613,
62.3021

■ 29.7187, 36.8781,
62.6792

■ 32.7071, 39.8328,
63.0920

■ 36.2981, 43.1480,
63.5426

■ 40.5300, 46.8439,
64.0329

■ 45.4381, 50.9392,
64.5647

■ 51.0549, 55.4512,
65.1396

Harmonies

Analogous

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



19.6851, 28.1366, 47.9010



22.7876, 28.1366, 61.3566



27.3172, 28.1366, 65.8489

Triad

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



22.7876, 28.1366, 61.3566



37.1926, 28.1366, 29.0319



21.9114, 28.1366, 13.3039

Complementary

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



22.7876, 28.1366, 61.3566



25.9613, 14.9555, 1.5198

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.



26.1769, 28.1366, 10.9398



22.7876, 28.1366, 61.3566



35.3135, 28.1366, 18.1154

Square

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



22.7876, 28.1366, 61.3566



36.0042, 28.1366, 44.1910



31.1315, 28.1366, 12.3892



19.2239, 28.1366, 20.1819

Rectangle

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



22.7876, 28.1366, 61.3566



30.6434, 28.1366, 62.3023



31.1315, 28.1366, 12.3892



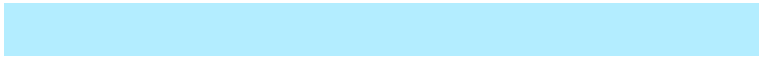
23.1885, 28.1366, 12.0682

Sweetspot

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



22.7886, 28.1376, 61.3573



66.8081, 77.3103, 106.0090



22.1198, 43.3969, 9.9680



13.6345, 15.9736, 22.6145



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.



22.7886, 28.1376, 61.3573



37.5621, 46.2443, 101.5540



12.2394, 7.0392, 57.8409



11.3108, 12.2620, 14.3410



14.4160, 17.8560, 38.6430



0.7994, 1.0325, 2.0121

Inverse Universe

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



30.9035, 15.2389, 32.7659



51.0888, 25.1995, 53.7932



35.7472, 34.5273, 4.7818



11.5702, 11.3568, 13.5375



19.4875, 9.6056, 20.8174



1.0334, 0.5068, 1.2219

Previews

White Background



This preview shows how the XYZ color 22.7876, 28.1366, 61.3566 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 22.7876, 28.1366, 61.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

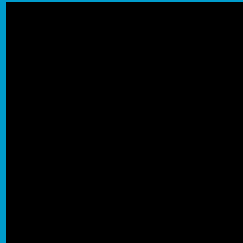
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7876, 28.1366, 61.3566

Background



This preview shows how black text looks on a background with the XYZ color 22.7876, 28.1366, 61.3566.

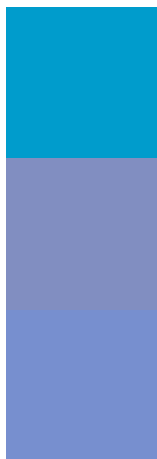


This preview shows how white text looks on a background with the XYZ color 22.7876, 28.1366,

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

22.7876, 28.1366, 61.3566

Protanopia

28.3519, 27.8634, 54.3359

Deuteranopia

28.6927, 28.0719, 62.9376



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



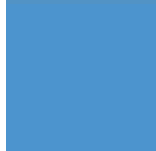
Original Color

22.7876, 28.1366, 61.3566



Protanomaly

23.9914, 26.6925, 56.7110



Deuteranomaly

24.7110, 27.1725, 62.3349



Tritanomaly

21.0499, 28.2570, 49.6921

Monochromacy



Original Color

22.7876, 28.1366, 61.3566



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.9967, 19.4883, 30.5223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7876, 28.1366, 61.3566 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, 156, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 204)  
}
```

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, 156, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.7876, 28.1366, 61.3566 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, 156, 204) }
```


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

```
.border{ border-color:rgb(0, 156, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7876, 28.1366, 61.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 204) }
```

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

```
.background{ background-color: rgb(0, 156,  
204) }
```

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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