

Converting Colors

XYZ(22.8365, 28.4257, 60.7830)

Have a look what the booklet for
XYZ(22.8365, 28.4257, 60.7830)
contains.

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Color

**XYZ(22.8365, 28.4257,
60.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	009DCB
RGB	0, 157, 203
RGB Percent	0%, 62%, 80%
CMY	0.9998, 0.3843, 0.2039
CMYK	1.00, 0.23, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	22.8365, 28.4257, 60.7830
YIQ	115.3010, -108.3380, -18.9780

Conversions

Conversions Part 2

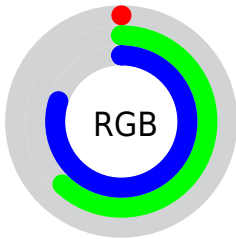
Format	Color
RYB	0, 89, 203
Decimal	40395
CIELab	60.27, -17.92, -33.18
CIELCh	60, 37.706, 241.627
Yxy	28.4257, 0.2038, 0.2537
Android (android.graphics.Color)	4278230475 (0xFF009DCB)
YUV	115.3010, 43.2356, -101.1190
Hunter-Lab	53.3158, -16.8465, -30.2729

Details

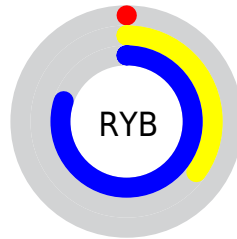
The XYZ color **22.8365, 28.4257, 60.7830** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.6081, 14.6547, 1.4804**, and the grayscale version is **16.2884, 17.1367, 18.6618**.

A 20% lighter version of the original color is **46.8490, 57.0163, 103.1438**, and **10.5788, 12.4780, 30.2847** is the 20% darker color. If you saturate the color by 10%, you get **22.8349, 28.4224, 60.7830**, and if you desaturate by 10%, it is **23.9258, 30.1652, 61.0619**.

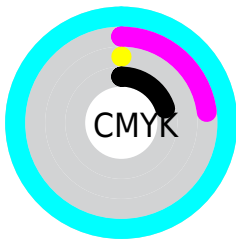
Distribution



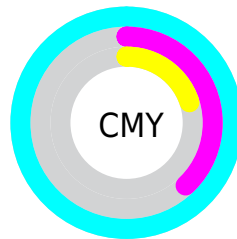
- Red (0%)
- Green (62%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8365, 28.4257, 60.7830 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 22.8365, 28.4257, 60.7830 by changing the saturation by 10% instead.

■ 22.8365, 28.4257,
60.7830

■ 22.8365, 28.4257,
60.7830

259.4352,
294.4955, 445.3624

■ 14.5929, 18.6468,
43.6206

■ 47.5934, 57.1634,
107.5191

■ 8.6186, 11.4153,
30.0374

■ 64.8373, 76.8909,
137.9300

■ 4.5484, 6.3469,
19.6147

■ 85.8120, 100.7035,
173.5941

■ 2.0168, 3.0572,
11.9340

■ 110.8829,
128.9855, 214.9300

■ 0.6434, 1.1617,
6.5767

■ 140.4153,
162.1213, 262.3563

■ 0.0000, 0.0300,
3.1244

174.7746,

■ 0.0000, 0.0000,

200.4953, 316.2914

1.1585

214.3261,
244.4919, 377.1539

■ 0.0000, 0.0000,
0.0000

■ 22.8365, 28.4257,
60.7830

■ 22.8365, 28.4257,
60.7830

■ 22.8349, 28.4224,
60.7830

■ 23.9258, 30.1652,
61.0619

■ 25.3535, 32.1227,
61.3645

■ 27.2272, 34.3546,
61.6966

■ 29.6037, 36.8906,
62.0608

■ 32.5312, 39.7559,
62.4596

■ 36.0519, 42.9729,
62.8949

■ 40.2038, 46.5614,
63.3688

■ 45.0216, 50.5400,
63.8828

■ 50.5375, 54.9254,
64.4385

Harmonies

Analogous

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



19.8501, 28.4257, 47.1161



22.8365, 28.4257, 60.7830



27.2825, 28.4257, 65.9201

Triad

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



22.8365, 28.4257, 60.7830



37.4163, 28.4257, 30.2011



22.4303, 28.4257, 13.3655

Complementary

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



22.8365, 28.4257, 60.7830



25.6081, 14.6547, 1.4804

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.



26.7547, 28.4257, 11.2368



22.8365, 28.4257, 60.7830



35.7315, 28.4257, 18.9837

Square

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



22.8365, 28.4257, 60.7830



36.0504, 28.4257, 45.4049



31.6806, 28.4257, 12.9383



19.6360, 28.4257, 19.9445

Rectangle

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



22.8365, 28.4257, 60.7830



30.5908, 28.4257, 62.8832



31.6806, 28.4257, 12.9383



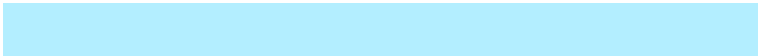
23.7344, 28.4257, 12.2121

Sweetspot

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



22.8375, 28.4267, 60.7837



67.0010, 77.6961, 106.0733



21.8119, 42.8947, 9.5151



13.6810, 16.0664, 22.6300



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.



22.8375, 28.4267, 60.7837



38.0624, 47.2448, 101.7208



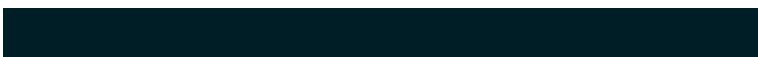
12.2709, 7.2935, 57.2615



11.3193, 12.2790, 14.3439



14.6030, 18.2299, 38.7053



0.8076, 1.0490, 2.0149

Inverse Universe

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



30.7154, 15.1321, 33.2009



51.3413, 25.3005, 55.1230



34.8309, 33.1003, 4.5547



11.5745, 11.3585, 13.5600



19.5818, 9.6433, 21.3142



1.0376, 0.5084, 1.2438

Previews

White Background



This preview shows how the XYZ color 22.8365, 28.4257, 60.7830 looks on a white background.

Color Contrast Check

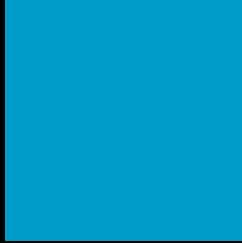
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8365, 28.4257, 60.7830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

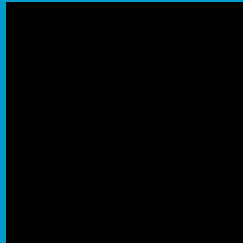
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8365, 28.4257, 60.7830

Background



This preview shows how black text looks on a background with the XYZ color 22.8365, 28.4257, 60.7830.

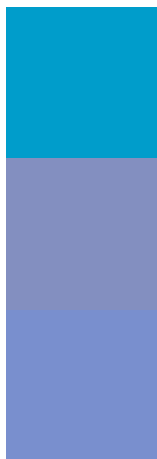


This preview shows how white text looks on a background with the XYZ color 22.8365, 28.4257,

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

22.8365, 28.4257, 60.7830

Protanopia

28.6970, 28.2760, 53.8145

Deuteranopia

28.8482, 28.1661, 62.3087



Tritanopia

20.2877, 28.5069, 43.9683

Trichromacy



Original Color

22.8365, 28.4257, 60.7830



Protanomaly

24.1210, 27.0043, 56.1656



Deuteranomaly

24.6699, 27.1654, 61.7008



Tritanomaly

21.2225, 28.6023, 49.7497

Monochromacy



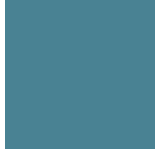
Original Color

22.8365, 28.4257, 60.7830



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 22.8365, 28.4257, 60.7830 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, 157, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 203)  
}
```

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, 157, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 203) }
```

Border

The CSS property to change the border of an element to XYZ 22.8365, 28.4257, 60.7830 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, 157, 203) }
```


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

```
.border{ border-color:rgb(0, 157, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8365, 28.4257, 60.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 203) }
```

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

```
.background{ background-color: rgb(0, 157,  
203) }
```

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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