

Converting Colors

XYZ(13.3836, 24.4073, 68.6074)

Have a look what the booklet for
XYZ(13.3836, 24.4073, 68.6074)
contains.

XYZ(25.0106, 30.3960, 68.8388)	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(25.0106, 30.3960,
68.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1D7
RGB	0, 161, 215
RGB Percent	0%, 63%, 84%
CMY	0.9998, 0.3686, 0.1569
CMYK	1.00, 0.25, 0.00, 0.16
HSL	195°, 100%, 42%
HSV	195°, 100%, 84%
XYZ	25.0106, 30.3960, 68.8388
YIQ	119.0170, -113.2900, -17.3380

Conversions

Conversions Part 2

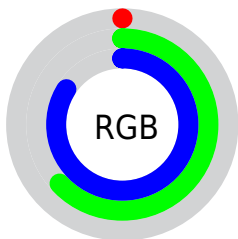
Format	Color
RYB	0, 92, 215
Decimal	41431
CIELab	61.99, -15.78, -37.18
CIELCh	62, 40.390, 247.005
Yxy	30.3960, 0.2013, 0.2446
Android (android.graphics.Color)	4278231511 (0xFF00A1D7)
YUV	119.0170, 47.3196, -104.3779
Hunter-Lab	55.1326, -15.5064, -35.4370

Details

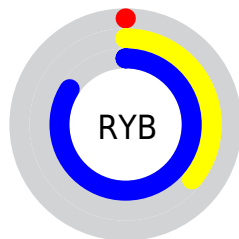
The XYZ color **25.0106, 30.3960, 68.8388** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.3465, 17.0905, 1.7536**, and the grayscale version is **17.4260, 18.3335, 19.9652**.

A 20% lighter version of the original color is **48.1994, 59.2153, 103.4971**, and **11.8138, 13.4753, 35.2361** is the 20% darker color. If you saturate the color by 10%, you get **25.0087, 30.3921, 68.8388**, and if you desaturate by 10%, it is **26.2966, 32.4911, 69.1760**.

Distribution



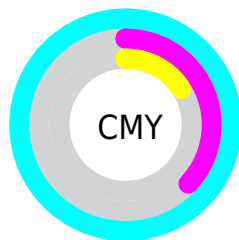
- Red (0%)
- Green (63%)
- Blue (84%)



- Red (0%)
- Yellow (36%)
- Blue (84%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0106, 30.3960, 68.8388 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 25.0106, 30.3960, 68.8388 by changing the saturation by 10% instead.

■ 25.0106, 30.3960,
68.8388

■ 25.0106, 30.3960,
68.8388

270.2374,
303.7460, 475.1408

■ 16.2137, 20.1394,
50.1095

■ 51.1172, 60.2879,
119.2168

■ 9.7673, 12.4964,
35.1286

■ 69.1576, 80.6919,
151.7027

■ 5.3060, 7.0827,
23.4776

■ 91.0099, 105.2471,
189.6111

■ 2.4645, 3.5139,
14.7380

■ 117.0395,
134.3380, 233.3606

■ 0.8774, 1.4055,
8.4911

■ 147.6117,
168.3490, 283.3698

■ 0.0000, 0.2208,
4.3185

183.0918,

■ 0.0000, 0.0000,

207.6644, 340.0572

1.8017

223.8453,
252.6685, 403.8413

■ 0.0000, 0.0000,
0.4291

■ 0.0000, 0.0000,
0.0000

■ 25.0106, 30.3960,
68.8388

■ 25.0106, 30.3960,
68.8388

■ 25.0087, 30.3921,
68.8388

■ 26.2966, 32.4911,
69.1760

■ 27.9796, 34.8516,
69.5430

■ 30.1791, 37.5405,
69.9460

■ 32.9610, 40.5922,
70.3885

■ 36.3809, 44.0364,
70.8730

■ 40.4877, 47.8987,
71.4021

■ 45.3254, 52.2026,
71.9778

■ 50.9340, 56.9694,
72.6023

■ 57.3507, 62.2189,
73.2774

Harmonies

Analogous

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



21.3471, 30.3960, 54.4864



25.0106, 30.3960, 68.8388



30.1792, 30.3960, 72.3968

Triad

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



25.0106, 30.3960, 68.8388



40.5073, 30.3960, 29.5905



23.0653, 30.3960, 14.5363

Complementary

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



25.0106, 30.3960, 68.8388



29.3465, 17.0905, 1.7536

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.



27.6390, 30.3960, 11.4437



25.0106, 30.3960, 68.8388



38.0295, 30.3960, 18.1958

Square

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



25.0106, 30.3960, 68.8388



39.5754, 30.3960, 46.1664



33.1522, 30.3960, 12.5344



20.3259, 30.3960, 22.7596

Rectangle

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



25.0106, 30.3960, 68.8388



33.8814, 30.3960, 67.4115



33.1522, 30.3960, 12.5344



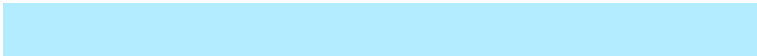
24.4154, 30.3960, 13.0018

Sweetspot

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



25.0117, 30.3970, 68.8396



66.4577, 76.6095, 105.8922



24.9623, 48.8661, 11.5806



13.5503, 15.8050, 22.5864



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.



25.0117, 30.3970, 68.8396



36.6675, 44.4550, 101.2558



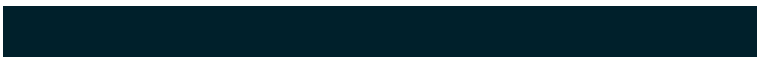
13.5759, 7.5255, 65.0276



12.5157, 13.5549, 15.8942



15.0463, 18.3544, 41.2029



0.9715, 1.2350, 2.5065

Inverse Universe

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



34.4584, 17.0216, 35.1884



50.6373, 25.0189, 51.4153



40.8159, 40.0294, 5.5767



12.8135, 12.5769, 14.9582



20.6535, 10.1977, 21.2774



1.2780, 0.6280, 1.4533

Previews

White Background



This preview shows how the XYZ color 25.0106, 30.3960, 68.8388 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.0106, 30.3960, 68.8388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

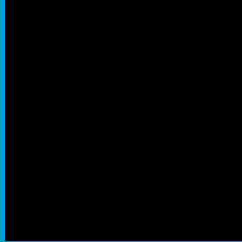
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.0106, 30.3960, 68.8388

Background



This preview shows how black text looks on a background with the XYZ color 25.0106, 30.3960, 68.8388.



This preview shows how white text looks on a background with the XYZ color 25.0106, 30.3960,

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

25.0106, 30.3960, 68.8388

Protanopia

30.8485, 30.1326, 61.3170

Deuteranopia

30.9905, 30.2348, 70.5322



Tritanopia

21.6721, 30.4868, 46.8618

Trichromacy



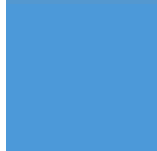
Original Color

25.0106, 30.3960, 68.8388



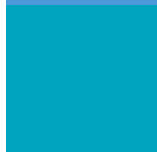
Protanomaly

26.2696, 28.8954, 63.8673



Deuteranomaly

26.8961, 29.3287, 69.8891



Tritanomaly

22.6794, 30.3125, 53.9458

Monochromacy



Original Color

25.0106, 30.3960, 68.8388



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

17.3383, 20.9198, 33.6959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0106, 30.3960, 68.8388 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, 161, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 215)  
}
```

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, 161, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 215) }
```

Border

The CSS property to change the border of an element to XYZ 25.0106, 30.3960, 68.8388 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, 161, 215) }
```


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

```
.border{ border-color:rgb(0, 161, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0106, 30.3960, 68.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 215) }
```

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

```
.background{ background-color: rgb(0, 161,  
215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor