

Converting Colors

XYZ(24.6876, 29.9141, 68.2251)

Have a look what the booklet for
XYZ(24.6876, 29.9141, 68.2251)
contains.

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Color

**XYZ(24.7084, 29.9967,
68.1060)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0D6
RGB	0, 160, 214
RGB Percent	0%, 63%, 84%
CMY	0.9998, 0.3725, 0.1608
CMYK	1.00, 0.25, 0.00, 0.16
HSL	195°, 100%, 42%
HSV	195°, 100%, 84%
XYZ	24.7084, 29.9967, 68.1060
YIQ	118.3160, -112.6940, -17.1260

Conversions

Conversions Part 2

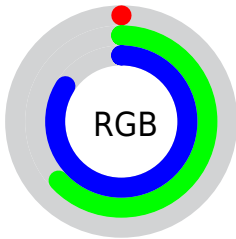
Format	Color
RYB	0, 92, 214
Decimal	41174
CIELab	61.65, -15.60, -37.16
CIELCh	62, 40.301, 247.234
Yxy	29.9967, 0.2012, 0.2443
Android (android.graphics.Color)	4278231254 (0xFF00A0D6)
YUV	118.3160, 47.1722, -103.7631
Hunter-Lab	54.7692, -15.3183, -35.3891

Details

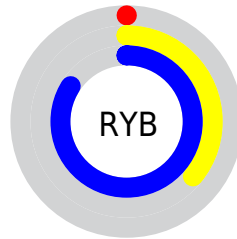
The XYZ color **24.7084, 29.9967, 68.1060** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.0534, 16.9391, 1.7397**, and the grayscale version is **17.2058, 18.1019, 19.7129**.

A 20% lighter version of the original color is **47.9440, 58.7044, 103.4119**, and **11.7266, 13.4405, 34.7771** is the 20% darker color. If you saturate the color by 10%, you get **24.7068, 29.9932, 68.1060**, and if you desaturate by 10%, it is **25.9845, 32.0754, 68.4406**.

Distribution



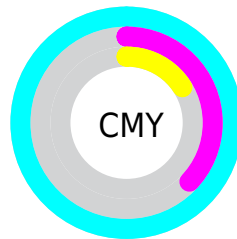
- Red (0%)
- Green (63%)
- Blue (84%)



- 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 24.7084, 29.9967, 68.1060 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 24.7084, 29.9967, 68.1060 by changing the saturation by 10% instead.

■ 24.7084, 29.9967,
68.1060

■ 24.7084, 29.9967,
68.1060

268.7571,
301.8891, 472.4797

■ 15.9875, 19.8361,
49.5167

■ 50.6301, 59.6570,
118.1594

■ 9.6061, 12.2759,
34.6611

■ 68.5616, 79.9254,
150.4607

■ 5.1988, 6.9319,
23.1205

■ 90.2940, 104.3319,
188.1697

■ 2.4003, 3.4195,
14.4763

■ 116.1927,
133.2608, 231.7049

■ 0.8453, 1.3545,
8.3102

■ 146.6229,
167.0966, 281.4851

■ 0.0000, 0.1828,
4.2035

181.9502,

■ 0.0000, 0.0000,

206.2237, 337.9285

1.7376

222.5398,
251.0264, 401.4539

■ 0.0000, 0.0000,
0.3863

■ 0.0000, 0.0000,
0.0000

■ 24.7084, 29.9967,
68.1060

■ 24.7084, 29.9967,
68.1060

■ 24.7068, 29.9932,
68.1060

■ 25.9845, 32.0754,
68.4406

■ 27.6536, 34.4173,
68.8047

■ 29.8339, 37.0847,
69.2046

■ 32.5906, 40.1118,
69.6436

■ 35.9789, 43.5278,
70.1244

■ 40.0470, 47.3581,
70.6493

■ 44.8382, 51.6260,
71.2205

■ 50.3924, 56.3525,
71.8401

■ 56.7460, 61.5572,
72.5098

Harmonies

Analogous

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



21.0722, 29.9967, 53.9557



24.7084, 29.9967, 68.1060



29.8275, 29.9967, 71.5293

Triad

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



24.7084, 29.9967, 68.1060



39.9968, 29.9967, 29.0864



22.7224, 29.9967, 14.3565

Complementary

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



24.7084, 29.9967, 68.1060



29.0534, 16.9391, 1.7397

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.



27.2337, 29.9967, 11.2690



24.7084, 29.9967, 68.1060



37.5218, 29.9967, 17.8679

Square

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



24.7084, 29.9967, 68.1060



39.1008, 29.9967, 45.4563



32.6849, 29.9967, 12.3147



20.0298, 29.9967, 22.5254

Rectangle

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



24.7084, 29.9967, 68.1060



33.4884, 29.9967, 66.5323



32.6849, 29.9967, 12.3147



24.0529, 29.9967, 12.8288

Sweetspot

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



24.7095, 29.9977, 68.1068



66.4320, 76.5582, 105.8836



24.7024, 48.3559, 11.4649



13.5441, 15.7926, 22.5844



0.0000, 0.0000, 0.0000



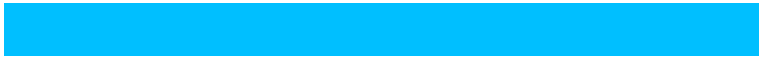
20.3446, 21.4041, 23.3091

Same Dimension

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



24.7095, 29.9977, 68.1068



36.6027, 44.3253, 101.2342



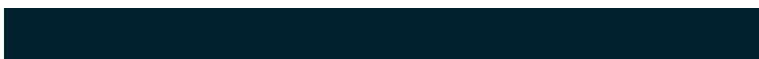
13.4360, 7.4508, 64.3489



12.5145, 13.5524, 15.8938



15.0203, 18.3025, 41.1942



0.9701, 1.2322, 2.5060

Inverse Universe

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



34.0777, 16.8355, 34.7121



50.6045, 25.0058, 51.2430



40.3920, 39.6161, 5.5192



12.8129, 12.5767, 14.9549



20.6404, 10.1925, 21.2084



1.2773, 0.6277, 1.4497

Previews

White Background



This preview shows how the XYZ color 24.7084, 29.9967, 68.1060 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 24.7084, 29.9967, 68.1060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

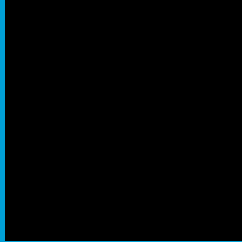
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.7084, 29.9967, 68.1060

Background



This preview shows how black text looks on a background with the XYZ color 24.7084, 29.9967, 68.1060.

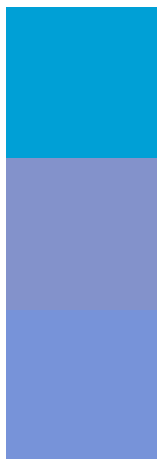


This preview shows how white text looks on a background with the XYZ color 24.7084, 29.9967,

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

24.7084, 29.9967, 68.1060

Protanopia

30.4184, 29.6949, 60.6284

Deuteranopia

30.5659, 29.7991, 69.7865



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

24.7084, 29.9967, 68.1060



Protanomaly

25.8964, 28.4772, 63.1633



Deuteranomaly

26.6034, 28.9508, 69.1517



Tritanomaly

22.3915, 29.9121, 53.3087

Monochromacy



Original Color

24.7084, 29.9967, 68.1060



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

17.0389, 20.5708, 33.2095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7084, 29.9967, 68.1060 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, 160, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 214)  
}
```

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, 160, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 214) }
```

Border

The CSS property to change the border of an element to XYZ 24.7084, 29.9967, 68.1060 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, 160, 214) }
```


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

```
.border{ border-color:rgb(0, 160, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7084, 29.9967, 68.1060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 214) }
```

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

```
.background{ background-color: rgb(0, 160,  
214) }
```

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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