

Converting Colors

XYZ(27.9467, 33.5510, 78.1946)

Have a look what the booklet for
XYZ(27.9467, 33.5510, 78.1946)
contains.

XYZ(28.0062, 33.6067, 78.4094)	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(28.0062, 33.6067,
78.4094)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8E4
RGB	0, 168, 228
RGB Percent	0%, 66%, 89%
CMY	0.9998, 0.3412, 0.1059
CMYK	1.00, 0.26, 0.00, 0.11
HSL	196°, 100%, 45%
HSV	196°, 100%, 89%
XYZ	28.0062, 33.6067, 78.4094
YIQ	124.6080, -119.3880, -16.9560

Conversions

Conversions Part 2

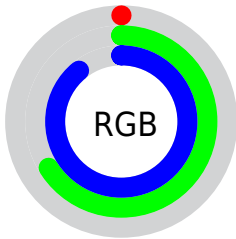
Format	Color
RYB	0, 97, 228
Decimal	43236
CIELab	64.65, -14.91, -40.22
CIELCh	65, 42.891, 249.660
Yxy	33.6067, 0.2000, 0.2400
Android (android.graphics.Color)	4278233316 (0xFF00A8E4)
YUV	124.6080, 50.9723, -109.2812
Hunter-Lab	57.9713, -15.2156, -39.6131

Details

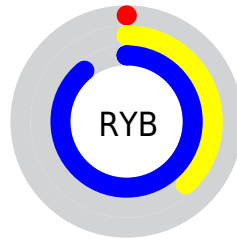
The XYZ color **28.0062, 33.6067, 78.4094** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.6143, 19.7319, 2.0386**, and the grayscale version is **19.2308, 20.2323, 22.0330**.

A 20% lighter version of the original color is **50.3815, 63.0595, 104.1241**, and **13.6918, 15.4693, 41.2940** is the 20% darker color. If you saturate the color by 10%, you get **28.0039, 33.6019, 78.4093**, and if you desaturate by 10%, it is **29.4905, 36.0554, 78.8045**.

Distribution



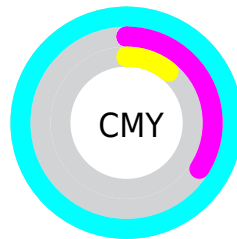
- Red (0%)
- Green (66%)
- Blue (89%)



- Red (0%)
- Yellow (38%)
- Blue (89%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0062, 33.6067, 78.4094 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 28.0062, 33.6067, 78.4094 by changing the saturation by 10% instead.

■ 28.0062, 33.6067,
78.4094

■ 28.0062, 33.6067,
78.4094

284.5761,
318.3748, 509.1208

■ 18.4708, 22.5916,
57.8919

■ 55.9029, 65.3216,
132.9182

■ 11.3903, 14.2923,
41.3076

■ 74.9950, 86.7902,
167.7466

■ 6.3992, 8.3242,
28.2380

■ 98.0032, 112.5121,
208.1824

■ 3.1323, 4.3031,
18.2646

■ 125.2932,
142.8717, 254.6440

■ 1.2241, 1.8445,
10.9687

■ 157.2300,
178.2533, 307.5502

■ 0.1253, 0.5147,
5.9319

194.1793,

■ 0.0000, 0.0000,

219.0415, 367.3193

2.7356

236.5061,
265.6205, 434.3700

■ 0.0000, 0.0000,
0.9613

■ 0.0000, 0.0000,
0.0000

■ 28.0062, 33.6067,
78.4094

■ 28.0062, 33.6067,
78.4094

■ 28.0039, 33.6019,
78.4093

■ 29.4905, 36.0554,
78.8045

■ 31.4373, 38.8188,
79.2353

■ 33.9799, 41.9674,
79.7090

■ 37.1949, 45.5414,
80.2294

■ 41.1468, 49.5751,
80.7997

■ 45.8923, 54.0985,
81.4227

■ 51.4822, 59.1389,
82.1010

■ 57.9628, 64.7210,
82.8369

■ 65.3770, 70.8677,
83.6325

Harmonies

Analogous

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



23.6772, 33.6067, 62.7366



28.0062, 33.6067, 78.4094



33.9674, 33.6067, 81.1521

Triad

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



28.0062, 33.6067, 78.4094



45.0730, 33.6067, 31.1992



24.9748, 33.6067, 16.2244

Complementary

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



28.0062, 33.6067, 78.4094



33.6143, 19.7319, 2.0386

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.



29.9990, 33.6067, 12.3328



28.0062, 33.6067, 78.4094



41.9362, 33.6067, 18.9563

Square

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



28.0062, 33.6067, 78.4094



44.3602, 33.6067, 49.6689



36.2306, 33.6067, 13.1398



22.0892, 33.6067, 26.0390

Rectangle

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



28.0062, 33.6067, 78.4094



38.1574, 33.6067, 74.6080



36.2306, 33.6067, 13.1398



26.4414, 33.6067, 14.3498

Sweetspot

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



28.0074, 33.6078, 78.4103



66.1944, 76.0829, 105.8044



28.4840, 55.7835, 13.1426



13.4870, 15.6784, 22.5653



0.0000, 0.0000, 0.0000



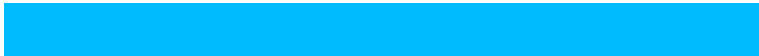
20.3446, 21.4041, 23.3091

Same Dimension

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



28.0074, 33.6078, 78.4103



36.0074, 43.1348, 101.0358



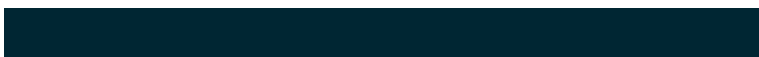
15.4697, 8.5324, 74.2310



14.4696, 15.6607, 18.4045



16.2719, 19.6059, 45.3099



1.2772, 1.5983, 3.3732

Inverse Universe

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



39.0639, 19.3226, 38.7175



50.3041, 24.8856, 49.6608



46.5613, 45.6258, 6.3543



14.8246, 14.5470, 17.2769



22.6068, 11.1769, 22.6222



1.7083, 0.8410, 1.8703

Previews

White Background



This preview shows how the XYZ color 28.0062, 33.6067, 78.4094 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 28.0062, 33.6067, 78.4094 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

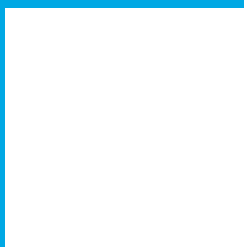
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0062, 33.6067, 78.4094

Background



This preview shows how black text looks on a background with the XYZ color 28.0062, 33.6067, 78.4094.

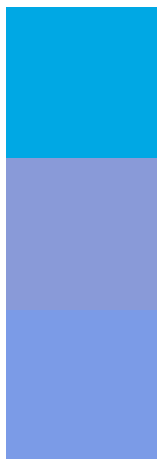


This preview shows how white text looks on a background with the XYZ color 28.0062, 33.6067,

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

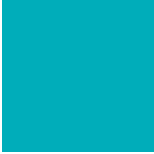
28.0062, 33.6067, 78.4094

Protanopia

34.2668, 33.3874, 69.6041

Deuteranopia

34.3135, 33.4232, 80.2441



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

28.0062, 33.6067, 78.4094

Protanomaly

29.2469, 31.9898, 72.3433

Deuteranomaly

29.9956, 32.4745, 79.5502

Tritanomaly

25.1055, 33.3429, 60.3710

Monochromacy



Original Color

28.0062, 33.6067, 78.4094

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3547, 23.3639, 37.6720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0062, 33.6067, 78.4094 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, 168, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 228)  
}
```

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, 168, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 228) }
```

Border

The CSS property to change the border of an element to XYZ 28.0062, 33.6067, 78.4094 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, 168, 228) }
```


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

```
.border{ border-color:rgb(0, 168, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0062, 33.6067, 78.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 228) }
```

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

```
.background{ background-color: rgb(0, 168,  
228) }
```

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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