

# Converting Colors

XYZ(16.0219, 26.7627, 75.3510)

Have a look what the booklet for  
XYZ(16.0219, 26.7627, 75.3510)  
contains.

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# Color

**XYZ(27.0457, 32.3465,  
76.0522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A5E1
RGB	0, 165, 225
RGB Percent	0%, 65%, 88%
CMY	0.9998, 0.3529, 0.1176
CMYK	1.00, 0.27, 0.00, 0.12
HSL	196°, 100%, 44%
HSV	196°, 100%, 88%
XYZ	27.0457, 32.3465, 76.0522
YIQ	122.5050, -117.6000, -16.3200

# Conversions

## Conversions Part 2

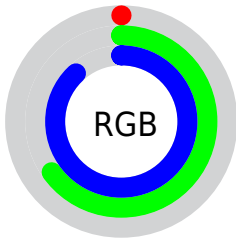
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 95, 225
Decimal	42465
CIELab	63.63, -14.36, -40.16
CIELCh	64, 42.650, 250.330
Yxy	32.3465, 0.1997, 0.2388
Android (android.graphics.Color)	4278232545 (0xFF00A5E1)
YUV	122.5050, 50.5300, -107.4369
Hunter-Lab	56.8740, -14.6461, -39.4711

# Details

The XYZ color **27.0457, 32.3465, 76.0522** 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 **32.6705, 19.2451, 1.9943**, and the grayscale version is **18.5367, 19.5021, 21.2378**.

A 20% lighter version of the original color is **49.4689, 61.4097, 103.8537**, and **13.0666, 14.6748, 39.6800** is the 20% darker color. If you saturate the color by 10%, you get **27.0436, 32.3421, 76.0521**, and if you desaturate by 10%, it is **28.4975, 34.7403, 76.4384**.

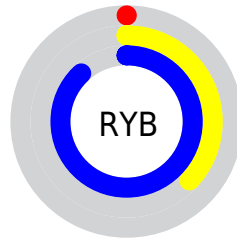
# Distribution



Red (0%)

Green (65%)

Blue (88%)



Red (0%)

Yellow (37%)

Blue (88%)

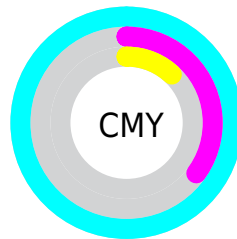


Cyan (100%)

Magenta (27%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (35%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0457, 32.3465, 76.0522 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 27.0457, 32.3465, 76.0522 by changing the saturation by 10% instead.



■ 27.0457, 32.3465,  
76.0522

■ 27.0457, 32.3465,  
76.0522

280.0418,  
312.6947, 500.8780

■ 17.7443, 21.6263,  
55.9684

■ 54.3766, 63.3539,  
129.5615

■ 10.8651, 13.5826,  
39.7738

■ 73.1367, 84.4099,  
163.8240

■ 6.0428, 7.8309,  
27.0498

■ 95.7806, 109.6799,  
203.6499

■ 2.9121, 3.9869,  
17.3778

■ 122.6734,  
139.5484, 249.4576

■ 1.1074, 1.6663,  
10.3394

■ 154.1806,  
174.3997, 301.6657

■ 0.0313, 0.4017,  
5.5161

190.6675,

■ 0.0000, 0.0000,

214.6183, 360.6928

2.4891

232.4995,  
260.5885, 426.9574

■ 0.0000, 0.0000,  
0.8344

■ 0.0000, 0.0000,  
0.0000

■ 27.0457, 32.3465,  
76.0522

■ 27.0457, 32.3465,  
76.0522

■ 27.0436, 32.3421,  
76.0521

■ 28.4975, 34.7403,  
76.4384

■ 30.3983, 37.4415,  
76.8596

■ 32.8783, 40.5187,  
77.3228

■ 36.0116, 44.0110,  
77.8318

■ 39.8606, 47.9516,  
78.3895

■ 44.4801, 52.3696,  
78.9988

■ 49.9193, 57.2914,  
79.6622

■ 56.2232, 62.7410,  
80.3818

■ 63.4333, 68.7406,  
81.1598

# Harmonies

## Analogous

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



22.8087, 32.3465, 61.0209



27.0457, 32.3465, 76.0522



32.8458, 32.3465, 78.3865

# Triad

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



27.0457, 32.3465, 76.0522



43.4544, 32.3465, 29.6554



23.9073, 32.3465, 15.6554

# Complementary

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



27.0457, 32.3465, 76.0522



32.6705, 19.2451, 1.9943

# 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.



28.7345, 32.3465, 11.7916



27.0457, 32.3465, 76.0522



40.3354, 32.3465, 17.9611

# Square

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



27.0457, 32.3465, 76.0522



42.8490, 32.3465, 47.4638



34.7658, 32.3465, 12.4712



21.1655, 32.3465, 25.2865



# Rectangle

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



27.0457, 32.3465, 76.0522



36.9029, 32.3465, 71.8270



34.7658, 32.3465, 12.4712



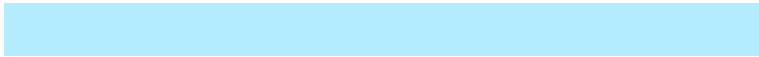
25.3122, 32.3465, 13.8062

# Sweetspot

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



27.0469, 32.3476, 76.0530



66.1177, 75.9295, 105.7788



27.7428, 54.1779, 13.2757



13.4686, 15.6416, 22.5592



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

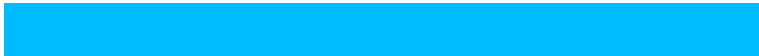


# Same Dimension

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



27.0469, 32.3476, 76.0530



35.8172, 42.7543, 100.9724



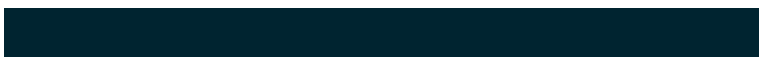
14.8437, 7.9412, 71.9853



13.7912, 14.9214, 17.5409



15.6844, 18.8383, 43.8579



1.1595, 1.4505, 3.0641



# Inverse Universe

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



37.8439, 18.7255, 37.2180



50.2080, 24.8472, 49.1551



45.9023, 45.7086, 6.4049



14.1308, 13.8700, 16.4590



21.8570, 10.8098, 21.7103



1.5515, 0.7639, 1.6971



# Previews

## White Background



This preview shows how the XYZ color 27.0457, 32.3465, 76.0522 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 27.0457, 32.3465, 76.0522 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 27.0457, 32.3465, 76.0522**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.0457, 32.3465, 76.0522.



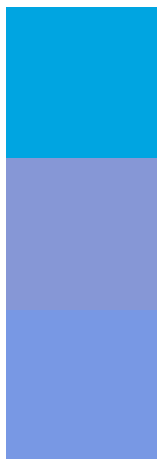
This preview shows how white text looks on a background with the XYZ color 27.0457, 32.3465,



# 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

27.0457, 32.3465, 76.0522

### Protanopia

33.0357, 32.0566, 68.0647

### Deuteranopia

32.9776, 32.0510, 77.8471



## **Tritanopia**

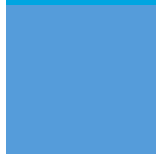
22.9220, 32.1683, 49.8007

# Trichromacy



## Original Color

27.0457, 32.3465, 76.0522



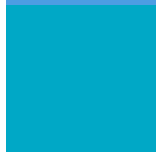
## Protanomaly

28.2897, 30.7702, 70.7779



## Deuteranomaly

28.9026, 31.1965, 77.1712



## Tritanomaly

24.1957, 32.0825, 58.3434

# Monochromacy



## Original Color

27.0457, 32.3465, 76.0522



## Achromatopsia

18.8265, 19.8069, 21.5697



## Achromatomaly

18.5755, 22.3347, 36.5897

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0457, 32.3465, 76.0522 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, 165, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 225)  
}
```

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, 165, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0457, 32.3465, 76.0522 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, 165, 225) }
```



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

```
.border{ border-color:rgb(0, 165, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0457, 32.3465, 76.0522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 225) }
```

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

```
.background{ background-color: rgb(0, 165,  
225) }
```

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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