

# Converting Colors

XYZ(27.4560, 33.4176, 74.1105)

Have a look what the booklet for  
XYZ(27.4560, 33.4176, 74.1105)  
contains.

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# Color

**XYZ(27.4560, 33.4176,  
74.1104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13A8DE
RGB	19, 168, 222
RGB Percent	7%, 66%, 87%
CMY	0.9253, 0.3412, 0.1294
CMYK	0.91, 0.24, 0.00, 0.13
HSL	196°, 84%, 47%
HSV	196°, 91%, 87%
XYZ	27.4560, 33.4176, 74.1104
YIQ	129.6050, -106.1380, -14.7940

# Conversions

## Conversions Part 2

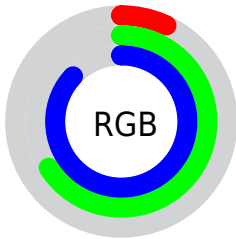
Format	Color
<b>RYB</b>	19, 105, 222
Decimal	1288414
CIELab	64.50, -16.45, -37.14
CIELCh	64, 40.619, 246.112
Yxy	33.4176, 0.2034, 0.2476
Android (android.graphics.Color)	4279478494 (0xFF13A8DE)
YUV	129.6050, 45.5507, -97.0006
Hunter-Lab	57.8080, -16.3850, -35.5448

# Details

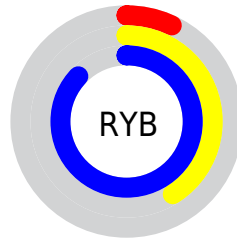
The XYZ color **27.4560, 33.4176, 74.1104** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **32.6272, 20.3467, 2.8254**, and the grayscale version is **20.9543, 22.0456, 24.0077**.

A 20% lighter version of the original color is **50.7444, 63.2466, 104.1410**, and **13.2204, 15.2808, 38.8119** is the 20% darker color. If you saturate the color by 10%, you get **26.2710, 31.4461, 73.7930**, and if you desaturate by 10%, it is **29.2272, 35.9869, 74.5137**.

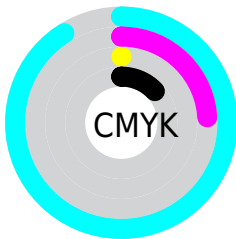
# Distribution



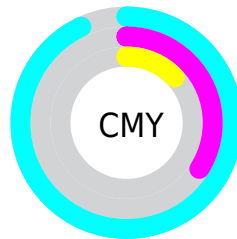
- Red (7%)
- Green (66%)
- Blue (87%)



- Red (7%)
- Yellow (41%)
- Blue (87%)



- Cyan (91%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)



- Cyan (93%)
- Magenta (34%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4560, 33.4176, 74.1104 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 27.4560, 33.4176, 74.1104 by changing the saturation by 10% instead.



■ 27.4560, 33.4176,  
74.1104

■ 27.4560, 33.4176,  
74.1104

281.9857,  
317.5273, 494.0279

■ 18.0543, 22.4465,  
54.3871

■ 55.0295, 65.0270,  
126.7878

■ 11.0889, 14.1854,  
38.5159

■ 73.9320, 86.4341,  
160.5789

■ 6.1944, 8.2497,  
26.0784

■ 96.7322, 112.0886,  
199.8964

■ 3.0054, 4.2551,  
16.6560

■ 123.7954,  
142.3750, 245.1588

■ 1.1566, 1.8173,  
9.8302

■ 155.4871,  
177.6777, 296.7845

■ 0.0717, 0.4979,  
5.1824

192.1724,

■ 0.0000, 0.0000,

218.3811, 355.1923

2.2941

234.2168,  
264.8695, 420.8006

■ 0.0000, 0.0000,  
0.7279

■ 0.0000, 0.0000,  
0.0000

■ 27.4560, 33.4176,  
74.1104

■ 27.4560, 33.4176,  
74.1104

■ 26.2710, 31.4461,  
73.7930

■ 29.2272, 35.9869,  
74.5137

■ 31.5467, 38.9129,  
74.9562

■ 34.4895, 42.2356,  
75.4424

■ 38.1174, 45.9877,  
75.9755

■ 42.4842, 50.1981,  
76.5580

■ 47.6383, 54.8923,  
77.1924

■ 53.6236, 60.0941,  
77.8810

■ 60.4809, 65.8251,  
78.6258

■ 68.2480, 72.1059,  
79.4287

# Harmonies

## Analogous

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



23.5761, 33.4176, 58.6491



27.4560, 33.4176, 74.1104



32.9650, 33.4176, 78.2920

# Triad

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



27.4560, 33.4176, 74.1104



44.1952, 33.4176, 33.0894



25.6312, 33.4176, 16.1984

# Complementary

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



27.4560, 33.4176, 74.1104



32.6272, 20.3467, 2.8254

# 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.



30.5894, 33.4176, 12.9678



27.4560, 33.4176, 74.1104



41.6533, 33.4176, 20.6185

# Square

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



27.4560, 33.4176, 74.1104



43.0926, 33.4176, 50.9167



36.4971, 33.4176, 14.2950



22.6158, 33.4176, 24.9219



# Rectangle

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



27.4560, 33.4176, 74.1104



36.9294, 33.4176, 73.2714



36.4971, 33.4176, 14.2950



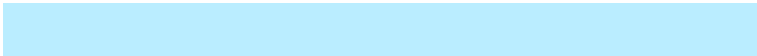
27.1014, 33.4176, 14.5780

# Sweetspot

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



27.4572, 33.4187, 74.1112



68.5284, 78.0625, 106.0635



27.4893, 52.8213, 14.5043



14.0860, 16.1972, 22.6339



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

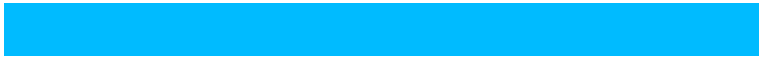


# Same Dimension

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



27.4572, 33.4187, 74.1112



35.8536, 42.8272, 100.9845



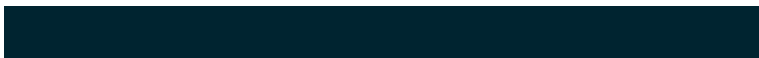
15.6305, 9.7653, 70.1690



13.7920, 14.9230, 17.5412



15.7000, 18.8695, 43.8631



1.1605, 1.4524, 3.0644



# Inverse Universe

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



37.4260, 18.8239, 38.7075



50.2264, 24.8546, 49.2519



44.8544, 44.8010, 6.9011



14.1312, 13.8701, 16.4611



21.8648, 10.8129, 21.7518



1.5520, 0.7641, 1.6997



# Previews

## White Background



This preview shows how the XYZ color 27.4560, 33.4176, 74.1104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

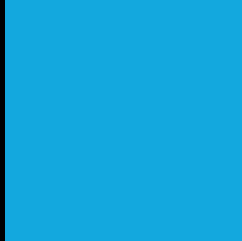
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4560, 33.4176, 74.1104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

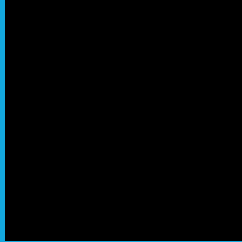
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 27.4560, 33.4176, 74.1104

## Background



This preview shows how black text looks on a background with the XYZ color 27.4560, 33.4176, 74.1104.



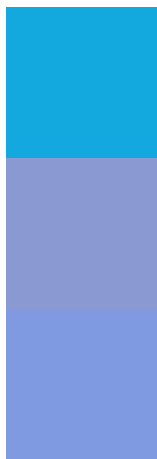
This preview shows how white text looks on a background with the XYZ color 27.4560, 33.4176,



# 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

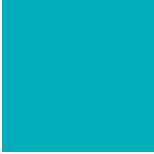
27.4560, 33.4176, 74.1104

### Protanopia

33.6716, 32.9246, 65.5532

### Deuteranopia

33.8986, 33.0595, 75.8286



## **Tritanopia**

23.8065, 33.4323, 51.6527

# Trichromacy



## Original Color

27.4560, 33.4176, 74.1104



## Protanomaly

29.0838, 31.7417, 68.2122



## Deuteranomaly

29.8772, 32.2528, 75.1717



## Tritanomaly

24.9593, 33.2945, 59.1438

# Monochromacy



## Original Color

27.4560, 33.4176, 74.1104



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

20.8006, 24.7645, 38.3341

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4560, 33.4176, 74.1104 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(19, 168, 222)` looks like.

```
.text, #text, p{  
    color:rgb(19, 168, 222)  
}
```

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(19, 168, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 168, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4560, 33.4176, 74.1104 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(19, 168, 222) }
```



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

```
.border{ border-color:rgb(19, 168, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 168, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 168, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 168, 222);  
box-shadow:4px 4px 4px 4px rgb(19, 168,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4560, 33.4176, 74.1104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 168, 222) }
```

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

```
.background{ background-color: rgb(19, 168,  
222) }
```

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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