

Converting Colors

XYZ(27.5066, 32.8401, 77.5259)

Have a look what the booklet for
XYZ(27.5066, 32.8401, 77.5259)
contains.

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Color

**XYZ(27.5013, 32.8185,
77.5582)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6E3
RGB	0, 166, 227
RGB Percent	0%, 65%, 89%
CMY	0.9998, 0.3490, 0.1098
CMYK	1.00, 0.27, 0.00, 0.11
HSL	196°, 100%, 45%
HSV	196°, 100%, 89%
XYZ	27.5013, 32.8185, 77.5582
YIQ	123.3200, -118.5170, -16.2210

Conversions

Conversions Part 2

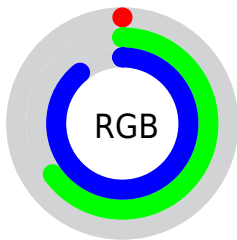
Format	Color
RYB	0, 96, 227
Decimal	42723
CIELab	64.01, -14.18, -40.66
CIELCh	64, 43.063, 250.773
Yxy	32.8185, 0.1995, 0.2380
Android (android.graphics.Color)	4278232803 (0xFF00A6E3)
YUV	123.3200, 51.1142, -108.1516
Hunter-Lab	57.2874, -14.5626, -40.1682

Details

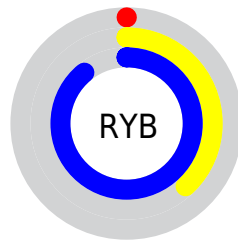
The XYZ color **27.5013, 32.8185, 77.5582** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.3507, 19.6742, 2.0412**, and the grayscale version is **18.8024, 19.7816, 21.5422**.

A 20% lighter version of the original color is **49.8503, 61.9971, 103.9470**, and **13.3680, 14.9749, 40.7140** is the 20% darker color. If you saturate the color by 10%, you get **27.4993, 32.8141, 77.5581**, and if you desaturate by 10%, it is **28.9852, 35.2697, 77.9538**.

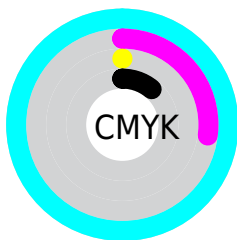
Distribution



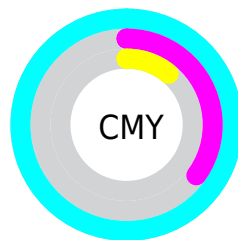
- Red (0%)
- Green (65%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5013, 32.8185, 77.5582 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 27.5013, 32.8185, 77.5582 by changing the saturation by 10% instead.

■ 27.5013, 32.8185,
77.5582

■ 27.5013, 32.8185,
77.5582

282.1997,
314.8311, 506.1532

■ 18.0886, 21.9874,
57.1968

■ 55.1015, 64.0921,
131.7073

■ 11.1137, 13.8477,
40.7529

■ 74.0197, 85.3033,
166.3322

■ 6.2112, 8.0148,
27.8078

■ 96.8371, 110.7435,
206.5486

■ 3.0158, 4.1044,
17.9430

■ 123.9191,
140.7969, 252.7751

■ 1.1621, 1.7321,
10.7401

■ 155.6309,
175.8480, 305.4303

■ 0.0762, 0.4443,
5.7804

192.3381,

■ 0.0000, 0.0000,

216.2811, 364.9327

2.6454

234.4059,
262.4807, 431.7008

■ 0.0000, 0.0000,
0.9157

■ 0.0000, 0.0000,
0.0000

■ 27.5013, 32.8185,
77.5582

■ 27.5013, 32.8185,
77.5582

■ 27.4993, 32.8141,
77.5581

■ 28.9852, 35.2697,
77.9538

■ 30.9286, 38.0366,
78.3854

■ 33.4639, 41.1888,
78.8602

■ 36.6670, 44.7664,
79.3820

■ 40.6015, 48.8033,
79.9538

■ 45.3237, 53.3294,
80.5785

■ 50.8837, 58.3716,
81.2587

■ 57.3276, 63.9545,
81.9967

■ 64.6978, 70.1009,
82.7946

Harmonies

Analogous

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



23.1548, 32.8185, 62.3452



27.5013, 32.8185, 77.5582



33.4284, 32.8185, 79.7181

Triad

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



27.5013, 32.8185, 77.5582



44.1369, 32.8185, 29.8366



24.1676, 32.8185, 15.9107

Complementary

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



27.5013, 32.8185, 77.5582



33.3507, 19.6742, 2.0412

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.



29.0595, 32.8185, 11.9107



27.5013, 32.8185, 77.5582



40.9046, 32.8185, 18.0324

Square

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



27.5013, 32.8185, 77.5582



43.5775, 32.8185, 47.9250



35.2011, 32.8185, 12.5350



21.4100, 32.8185, 25.8081

Rectangle

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



27.5013, 32.8185, 77.5582



37.5613, 32.8185, 72.8858



35.2011, 32.8185, 12.5350



25.5886, 32.8185, 14.0041

Sweetspot

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



27.5025, 32.8196, 77.5590



66.0728, 75.8398, 105.7639



28.3008, 55.2714, 13.5315



13.4578, 15.6200, 22.5556



0.0000, 0.0000, 0.0000



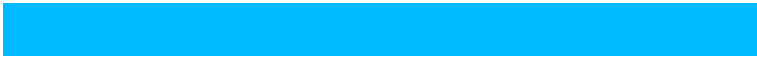
20.3446, 21.4041, 23.3091

Same Dimension

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



27.5025, 32.8196, 77.5590



35.7062, 42.5325, 100.9354



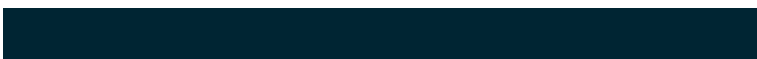
15.1394, 8.0933, 73.4380



14.4626, 15.6466, 18.4022



16.1386, 19.3392, 45.2654



1.2682, 1.5804, 3.3702

Inverse Universe

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



38.5625, 19.0854, 37.7287



50.1521, 24.8248, 48.8603



46.8242, 46.6212, 6.5324



14.8211, 14.5456, 17.2583



22.5395, 11.1500, 22.2678



1.7038, 0.8392, 1.8466

Previews

White Background



This preview shows how the XYZ color 27.5013, 32.8185, 77.5582 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 27.5013, 32.8185, 77.5582 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

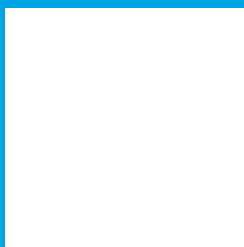
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5013, 32.8185, 77.5582

Background



This preview shows how black text looks on a background with the XYZ color 27.5013, 32.8185, 77.5582.



This preview shows how white text looks on a background with the XYZ color 27.5013, 32.8185,

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

27.5013, 32.8185, 77.5582

Protanopia

33.6146, 32.5652, 69.4798

Deuteranopia

33.4199, 32.4887, 79.3724



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

27.5013, 32.8185, 77.5582



Protanomaly

28.8130, 31.2597, 72.2253



Deuteranomaly

29.3502, 31.6474, 78.6904



Tritanomaly

24.6133, 32.5461, 59.6283

Monochromacy



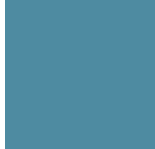
Original Color

27.5013, 32.8185, 77.5582



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

18.8075, 22.6581, 37.1004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5013, 32.8185, 77.5582 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, 166, 227)` looks like.

```
.text, #text, p{  
  color:rgb(0, 166, 227)  
}
```

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, 166, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 227) }
```

Border

The CSS property to change the border of an element to XYZ 27.5013, 32.8185, 77.5582 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, 166, 227) }
```


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

```
.border{ border-color:rgb(0, 166, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5013, 32.8185, 77.5582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 227) }
```

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

```
.background{ background-color: rgb(0, 166,  
227) }
```

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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