

Converting Colors

XYZ(25.2089, 32.1207, 87.4956)

Have a look what the booklet for
XYZ(25.2089, 32.1207, 87.4956)
contains.

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Color

**XYZ(29.9161, 34.6672,
87.5528)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9F0
RGB	0, 169, 240
RGB Percent	0%, 66%, 94%
CMY	0.9998, 0.3372, 0.0588
CMYK	1.00, 0.30, 0.00, 0.06
HSL	198°, 100%, 47%
HSV	198°, 100%, 94%
XYZ	29.9161, 34.6672, 87.5528
YIQ	126.5630, -123.5150, -13.7470

Conversions

Conversions Part 2

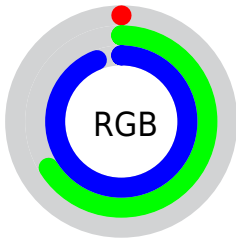
Format	Color
RYB	0, 99, 240
Decimal	43504
CIELab	65.49, -11.13, -45.48
CIELCh	65, 46.824, 256.250
Yxy	34.6672, 0.1966, 0.2279
Android (android.graphics.Color)	4278233584 (0xFF00A9F0)
YUV	126.5630, 55.9244, -110.9958
Hunter-Lab	58.8789, -12.3429, -46.9490

Details

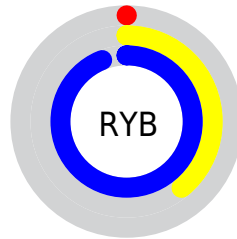
The XYZ color **29.9161, 34.6672, 87.5528** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **38.1930, 23.0398, 2.4359**, and the grayscale version is **19.8750, 20.9101, 22.7711**.

A 20% lighter version of the original color is **51.0123, 63.7825, 104.2304**, and **15.0130, 16.1833, 47.6798** is the 20% darker color. If you saturate the color by 10%, you get **29.9132, 34.6612, 87.5525**, and if you desaturate by 10%, it is **31.6521, 37.5776, 88.0238**.

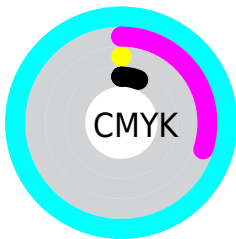
Distribution



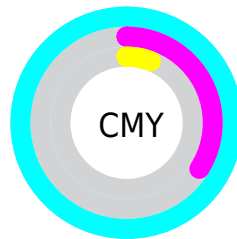
- Red (0%)
- Green (66%)
- Blue (94%)



- Red (0%)
- Yellow (39%)
- Blue (94%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (34%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9161, 34.6672, 87.5528 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 29.9161, 34.6672, 87.5528 by changing the saturation by 10% instead.

■ 29.9161, 34.6672,
87.5528

■ 29.9161, 34.6672,
87.5528

293.4300,
323.0969, 540.4009

■ 19.9227, 23.4066,
65.3905

■ 58.9170, 66.9699,
145.8401

■ 12.4468, 14.8940,
47.3245

■ 78.6552, 88.7808,
182.8021

■ 7.1231, 8.7451,
32.9361

■ 102.3724,
114.8773, 225.5346

■ 3.5862, 4.5753,
21.8067

■ 130.4338,
145.6437, 274.4559

■ 1.4708, 2.0003,
13.5180

■ 163.2050,
181.4645, 329.9847

■ 0.3058, 0.6076,
7.6513

201.0512,

■ 0.0000, 0.0000,

222.7240, 392.5394

3.7881

244.3377,
269.8067, 462.5386

■ 0.0000, 0.0000,
1.5098

■ 0.0000, 0.0000,
0.2252

■ 29.9161, 34.6672,
87.5528

■ 29.9161, 34.6672,
87.5528

■ 29.9132, 34.6612,
87.5525

■ 31.6521, 37.5776,
88.0238

■ 33.9260, 40.8729,
88.5400

■ 36.8855, 44.6315,
89.1095

■ 40.6179, 48.8999,
89.7367

■ 45.1971, 53.7177,
90.4253

■ 50.6874, 59.1195,
91.1785

■ 57.1470, 65.1369,
91.9996

■ 64.6286, 71.7985,
92.8910

■ 73.1812, 79.1309,
93.8556

Harmonies

Analogous

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



24.6518, 34.6672, 72.0983



29.9161, 34.6672, 87.5528



36.7768, 34.6672, 86.8084

Triad

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



29.9161, 34.6672, 87.5528



47.2897, 34.6672, 28.1404



24.3183, 34.6672, 17.2014

Complementary

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



29.9161, 34.6672, 87.5528



38.1930, 23.0398, 2.4359

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.



29.3985, 34.6672, 11.8708



29.9161, 34.6672, 87.5528



42.9286, 34.6672, 16.5213

Square

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



29.9161, 34.6672, 87.5528



47.4792, 34.6672, 47.4466



36.1827, 34.6672, 11.6749



21.7360, 34.6672, 29.4680

Rectangle

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



29.9161, 34.6672, 87.5528



41.3725, 34.6672, 77.0950



36.1827, 34.6672, 11.6749



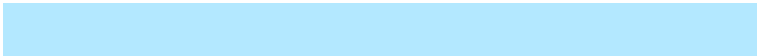
25.7562, 34.6672, 14.7585

Sweetspot

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



29.9174, 34.6683, 87.5537



65.4840, 74.6622, 105.5676



32.2059, 62.7391, 15.8884



13.3165, 15.3375, 22.5085



0.0000, 0.0000, 0.0000



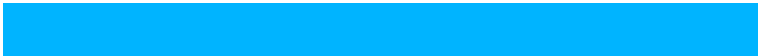
20.3446, 21.4041, 23.3091

Same Dimension

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



29.9174, 34.6683, 87.5537



34.2794, 39.6788, 100.4598



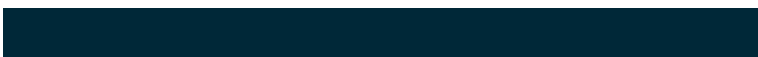
16.9592, 8.7520, 83.2343



15.8294, 17.0930, 20.1866



16.4960, 19.2162, 47.9675



1.4583, 1.7706, 4.0191

Inverse Universe

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



43.0978, 21.3914, 39.3945



49.4319, 24.5367, 45.0678



53.9221, 54.4980, 7.6789



16.2434, 15.9471, 18.8377



23.6520, 11.7332, 21.8819



2.0110, 0.9935, 2.0489

Previews

White Background



This preview shows how the XYZ color 29.9161, 34.6672, 87.5528 looks on a white background.

Color Contrast Check

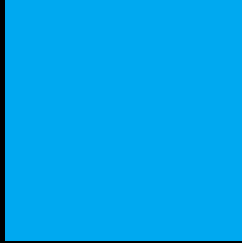
Large Text (above 18pt) WCAG AA × Fail

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 29.9161, 34.6672, 87.5528 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

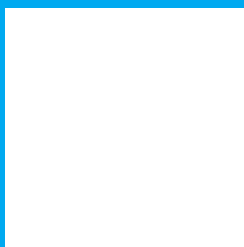
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9161, 34.6672, 87.5528

Background



This preview shows how black text looks on a background with the XYZ color 29.9161, 34.6672, 87.5528.



This preview shows how white text looks on a background with the XYZ color 29.9161, 34.6672,

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

29.9161, 34.6672, 87.5528

Protanopia

35.8628, 34.5024, 78.8982

Deuteranopia

35.6070, 34.6378, 89.6031



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

29.9161, 34.6672, 87.5528



Protanomaly

31.1992, 33.3042, 81.8748



Deuteranomaly

31.7714, 33.7073, 88.8360



Tritanomaly

26.3287, 34.4412, 64.9347

Monochromacy



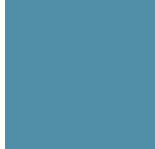
Original Color

29.9161, 34.6672, 87.5528



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

20.1342, 23.9225, 40.6021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9161, 34.6672, 87.5528 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, 169, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 240)  
}
```

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, 169, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 240) }
```

Border

The CSS property to change the border of an element to XYZ 29.9161, 34.6672, 87.5528 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, 169, 240) }
```


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

```
.border{ border-color:rgb(0, 169, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9161, 34.6672, 87.5528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 240) }
```

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

```
.background{ background-color: rgb(0, 169,  
240) }
```

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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