

Converting Colors

XYZ(36.3113, 43.9125,
100.6202)

Have a look what the booklet for
XYZ(36.3113, 43.9125, 100.6202)
contains.

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Color

**XYZ(36.3028, 43.9827,
100.3421)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEFE
RGB	0, 190, 254
RGB Percent	0%, 75%, 100%
CMY	0.9997, 0.2549, 0.0039
CMYK	1.00, 0.25, 0.00, 0.00
HSL	195°, 100%, 50%
HSV	195°, 100%, 100%
XYZ	36.3028, 43.9827, 100.3421
YIQ	140.4860, -133.7840, -20.3760

Conversions

Conversions Part 2

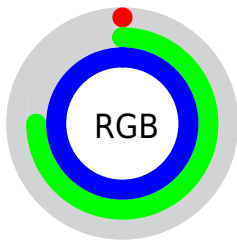
Format	Color
RYB	0, 109, 254
Decimal	48894
CIELab	72.22, -17.47, -42.53
CIELCh	72, 45.978, 247.668
Yxy	43.9827, 0.2010, 0.2435
Android (android.graphics.Color)	4278238974 (0xFF00BEFE)
YUV	140.4860, 55.9624, -123.2062
Hunter-Lab	66.3195, -18.3494, -43.2828

Details

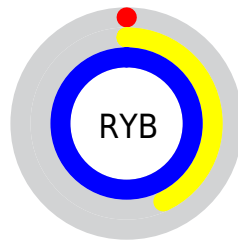
The XYZ color **36.3028, 43.9827, 100.3421** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **42.7110, 24.7456, 2.5272**, and the grayscale version is **24.9510, 26.2504, 28.5867**.

A 20% lighter version of the original color is **57.8158, 76.6422, 106.3540**, and **19.0237, 21.9225, 56.0521** is the 20% darker color. If you saturate the color by 10%, you get **36.2998, 43.9763, 100.3419**, and if you desaturate by 10%, it is **38.1333, 47.0308, 100.8349**.

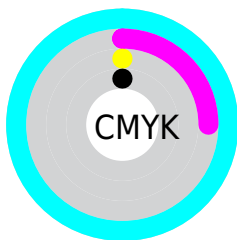
Distribution



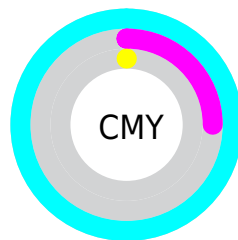
- Red (0%)
- Green (75%)
- Blue (100%)



- Red (0%)
- Yellow (43%)
- Blue (100%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3028, 43.9827, 100.3421 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 36.3028, 43.9827, 100.3421 by changing the saturation by 10% instead.

36.3028, 43.9827,
100.3421

36.3028, 43.9827,
100.3421

321.6903,
362.6377, 582.5450

24.8393, 30.6569,
75.9678

68.8200, 81.1917,
163.6832

16.0855, 20.3377,
55.8996

90.6044, 105.8437,
203.4871

9.6759, 12.6408,
39.7190

116.5599,
135.0399, 249.2712

5.2452, 7.1817,
27.0074

147.0518,
169.1647, 301.4542

2.4281, 3.5760,
17.3463

182.4454,
208.6025, 360.4545

0.8591, 1.4393,
10.3171

223.1061,

0.0000, 0.2454,

253.7376, 426.6907

5.5014

269.3993,
304.9546, 500.5814

■ 0.0000, 0.0000,
2.4805

■ 0.0000, 0.0000,
0.8298

■ 36.3028, 43.9827,
100.3421

■ 36.3028, 43.9827,
100.3421

■ 36.2998, 43.9763,
100.3419

■ 38.1333, 47.0308,
100.8349

■ 40.5582, 50.4763,
101.3721

■ 43.7428, 54.4060,
101.9628

■ 47.7873, 58.8728,
102.6118

■ 52.7763, 63.9212,
103.3233

■ 58.7833, 69.5903,
104.1009

■ 65.8746, 75.9153,
104.9480

■ 74.1106, 82.9282,
105.8676

■ 83.5470, 90.6589,
106.8624

Harmonies

Analogous

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



30.9128, 43.9827, 79.6332



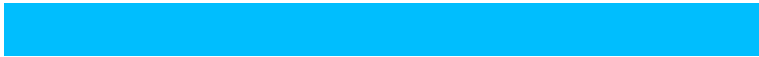
36.3028, 43.9827, 100.3421



43.8604, 43.9827, 105.1137

Triad

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



36.3028, 43.9827, 100.3421



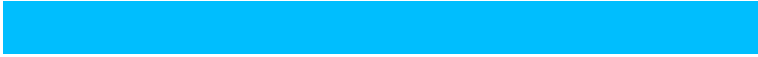
58.7060, 43.9827, 42.3254



33.2054, 43.9827, 21.0819

Complementary

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



36.3028, 43.9827, 100.3421



42.7110, 24.7456, 2.5272

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.



39.8133, 43.9827, 16.4552



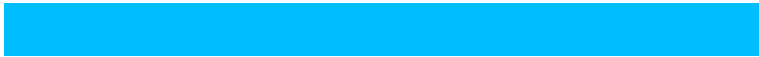
36.3028, 43.9827, 100.3421



54.9935, 43.9827, 25.9510

Square

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



36.3028, 43.9827, 100.3421



57.4587, 43.9827, 66.3601



47.8352, 43.9827, 17.9032



29.2876, 43.9827, 33.2103

Rectangle

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



36.3028, 43.9827, 100.3421



49.2485, 43.9827, 97.5703



47.8352, 43.9827, 17.9032



35.1507, 43.9827, 18.8046

Sweetspot

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



36.3044, 43.9842, 100.3432



66.4398, 76.5738, 105.8862



36.3557, 71.2498, 16.6203



13.5460, 15.7964, 22.5850



0.0000, 0.0000, 0.0000



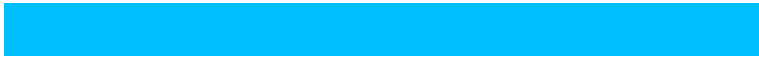
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3044, 43.9842, 100.3432



36.6225, 44.3649, 101.2408



19.6986, 10.7727, 94.8080



18.1445, 19.6605, 23.0885



19.2614, 23.4323, 52.9423



1.9623, 2.4554, 5.1838

Inverse Universe

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



50.1687, 24.7903, 50.8573



50.6145, 25.0098, 51.2955



59.3997, 58.1229, 8.0901



18.5856, 18.2175, 21.7007



26.5104, 13.0935, 27.1362



2.6251, 1.2924, 2.8732

Previews

White Background



This preview shows how the XYZ color 36.3028, 43.9827, 100.3421 looks on a white background.

Color Contrast Check

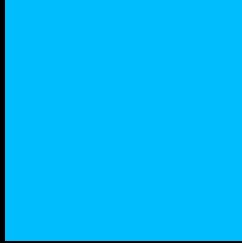
Large Text (above 18pt) WCAG AA × Fail

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 36.3028, 43.9827, 100.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

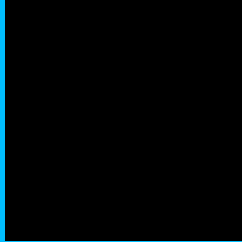
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

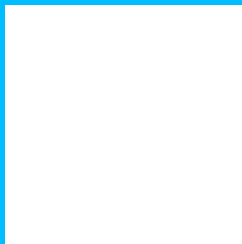
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3028, 43.9827, 100.3421

Background



This preview shows how black text looks on a background with the XYZ color 36.3028, 43.9827, 100.3421.

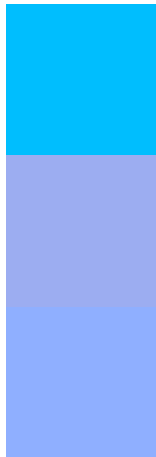


This preview shows how white text looks on a background with the XYZ color 36.3028, 43.9827,

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

36.3028, 43.9827, 100.3421

Protanopia

44.5311, 43.3059, 89.2309

Deuteranopia

44.7077, 43.7196, 100.6901



Tritanopia

31.3728, 44.1330, 67.8378

Trichromacy



Original Color

36.3028, 43.9827, 100.3421

Protanomaly

37.9002, 41.5467, 93.2105

Deuteranomaly

38.6856, 42.0867, 100.6923

Tritanomaly

33.0193, 44.0746, 78.7184

Monochromacy



Original Color

36.3028, 43.9827, 100.3421

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.0581, 30.3473, 48.7929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3028, 43.9827, 100.3421 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, 190, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 254)  
}
```

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, 190, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 254) }
```

Border

The CSS property to change the border of an element to XYZ 36.3028, 43.9827, 100.3421 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, 190, 254) }
```


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

```
.border{ border-color:rgb(0, 190, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3028, 43.9827, 100.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 254) }
```

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

```
.background{ background-color: rgb(0, 190,  
254) }
```

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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