

Converting Colors

XYZ(30.2798, 33.6114, 93.1712)

Have a look what the booklet for
XYZ(30.2798, 33.6114, 93.1712)
contains.

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Color

**XYZ(30.2436, 33.6257,
92.8921)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5F7
RGB	0, 165, 247
RGB Percent	0%, 65%, 97%
CMY	0.9997, 0.3529, 0.0314
CMYK	1.00, 0.33, 0.00, 0.03
HSL	200°, 100%, 48%
HSV	200°, 100%, 97%
XYZ	30.2436, 33.6257, 92.8921
YIQ	125.0130, -124.6620, -9.4780

Conversions

Conversions Part 2

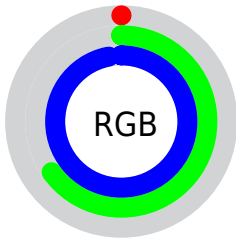
Format	Color
RYB	0, 99, 247
Decimal	42487
CIELab	64.66, -6.34, -50.61
CIELCh	65, 51.005, 262.860
Yxy	33.6257, 0.1929, 0.2145
Android (android.graphics.Color)	4278232567 (0xFF00A5F7)
YUV	125.0130, 60.1396, -109.6364
Hunter-Lab	57.9877, -8.3813, -54.3870

Details

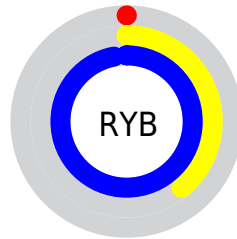
The XYZ color **30.2436, 33.6257, 92.8921** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **41.3806, 25.8188, 2.8044**, and the grayscale version is **19.3385, 20.3457, 22.1564**.

A 20% lighter version of the original color is **50.0736, 61.7214, 103.8820**, and **15.3116, 15.7523, 50.9487** is the 20% darker color. If you saturate the color by 10%, you get **30.2402, 33.6185, 92.8916**, and if you desaturate by 10%, it is **32.1665, 36.8845, 93.4205**.

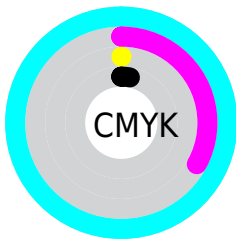
Distribution



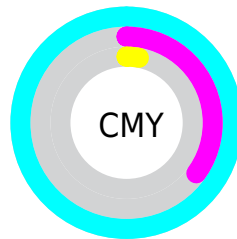
- Red (0%)
- Green (65%)
- Blue (97%)



- Red (0%)
- Yellow (39%)
- Blue (97%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (35%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2436, 33.6257, 92.8921 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 30.2436, 33.6257, 92.8921 by changing the saturation by 10% instead.

■ 30.2436, 33.6257,
92.8921

■ 30.2436, 33.6257,
92.8921

294.9278,
318.4598, 558.2055

■ 20.1726, 22.6062,
69.7947

■ 59.4312, 65.3512,
153.3196

■ 12.6295, 14.3030,
50.8834

■ 79.2784, 86.8259,
191.4868

■ 7.2492, 8.3317,
35.7397

■ 103.1151,
112.5546, 235.5143

■ 3.6661, 4.3079,
23.9451

■ 131.3066,
142.9215, 285.8207

■ 1.5150, 1.8473,
15.0811

■ 164.2183,
178.3111, 342.8244

■ 0.3360, 0.5164,
8.7291

202.2155,

■ 0.0000, 0.0000,

219.1078, 406.9441

4.4705

245.6635,
265.6959, 478.5983

■ 0.0000, 0.0000,
1.8868

■ 0.0000, 0.0000,
0.4843

■ 30.2436, 33.6257,
92.8921

■ 30.2436, 33.6257,
92.8921

■ 30.2402, 33.6185,
92.8916

■ 32.1665, 36.8845,
93.4205

■ 34.6844, 40.5931,
94.0036

■ 37.9541, 44.8352,
94.6501

■ 42.0703, 49.6619,
95.3648

■ 47.1124, 55.1167,
96.1519

■ 53.1504, 61.2378,
97.0152

■ 60.2467, 68.0598,
97.9580

■ 68.4586, 75.6144,
98.9833

■ 77.8391, 83.9309,
100.0942

Harmonies

Analogous

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



24.1979, 33.6257, 79.0270



30.2436, 33.6257, 92.8921



37.7416, 33.6257, 87.6881

Triad

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



30.2436, 33.6257, 92.8921



46.7519, 33.6257, 23.0875



22.0079, 33.6257, 17.2794

Complementary

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



30.2436, 33.6257, 92.8921



41.3806, 25.8188, 2.8044

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.



26.8016, 33.6257, 10.6249



30.2436, 33.6257, 92.8921



41.2269, 33.6257, 12.9742

Square

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



30.2436, 33.6257, 92.8921



48.0467, 33.6257, 41.8514



33.7406, 33.6257, 9.4234



19.9368, 33.6257, 31.8304

Rectangle

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



30.2436, 33.6257, 92.8921



42.5141, 33.6257, 74.7898



33.7406, 33.6257, 9.4234



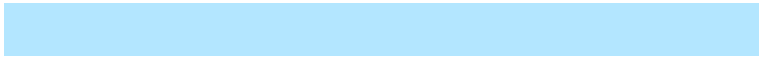
23.3157, 33.6257, 14.3115

Sweetspot

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



30.2449, 33.6268, 92.8930



64.7098, 73.1137, 105.3095



34.6464, 67.0763, 18.3780



13.1311, 14.9667, 22.4467



0.0000, 0.0000, 0.0000



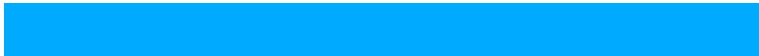
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2449, 33.6268, 92.8930



32.4853, 36.0907, 99.8618



17.7408, 8.6185, 88.7249



16.5060, 17.7764, 21.1038



16.1287, 18.0511, 49.1722



1.5116, 1.7747, 4.3531

Inverse Universe

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



45.1505, 22.4924, 37.5599



48.5263, 24.1745, 40.2991



59.4155, 61.8886, 8.8160



16.9660, 16.6693, 19.5675



23.9455, 11.9216, 20.2193



2.1521, 1.0668, 2.0271

Previews

White Background



This preview shows how the XYZ color 30.2436, 33.6257, 92.8921 looks on a white background.

Color Contrast Check

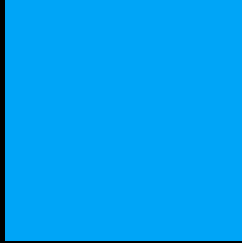
Large Text (above 18pt) WCAG AA × Fail

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 30.2436, 33.6257, 92.8921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

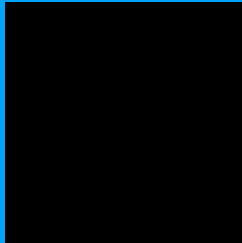
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

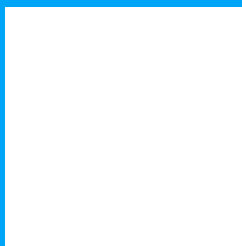
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2436, 33.6257, 92.8921

Background



This preview shows how black text looks on a background with the XYZ color 30.2436, 33.6257, 92.8921.



This preview shows how white text looks on a background with the XYZ color 30.2436, 33.6257,

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

30.2436, 33.6257, 92.8921

Protanopia

35.2815, 33.3325, 84.6950

Deuteranopia

34.4668, 33.4413, 94.2607



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

30.2436, 33.6257, 92.8921

Protanomaly

31.2424, 32.1703, 87.7819

Deuteranomaly

31.5214, 32.6974, 93.4568

Tritanomaly

25.7599, 33.3035, 64.7450

Monochromacy



Original Color

30.2436, 33.6257, 92.8921

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8478, 23.3262, 40.9924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2436, 33.6257, 92.8921 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 247) }
```

Border

The CSS property to change the border of an element to XYZ 30.2436, 33.6257, 92.8921 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, 247) }
```


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

```
.border{ border-color:rgb(0, 165, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2436, 33.6257, 92.8921 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, 247) }
```

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

```
.background{ background-color: rgb(0, 165,  
247) }
```

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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