

Converting Colors

XYZ(29.6693, 33.6353, 89.1299)

Have a look what the booklet for
XYZ(29.6693, 33.6353, 89.1299)
contains.

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Color

**XYZ(29.6632, 33.6832,
88.9425)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6F2
RGB	0, 166, 242
RGB Percent	0%, 65%, 95%
CMY	0.9997, 0.3490, 0.0510
CMYK	1.00, 0.31, 0.00, 0.05
HSL	199°, 100%, 47%
HSV	199°, 100%, 95%
XYZ	29.6632, 33.6832, 88.9425
YIQ	125.0300, -123.3320, -11.5560

Conversions

Conversions Part 2

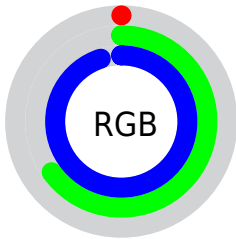
Format	Color
RYB	0, 98, 242
Decimal	42738
CIELab	64.71, -8.74, -47.80
CIELCh	65, 48.595, 259.644
Yxy	33.6832, 0.1948, 0.2212
Android (android.graphics.Color)	4278232818 (0xFF00A6F2)
YUV	125.0300, 57.6662, -109.6513
Hunter-Lab	58.0372, -10.3327, -50.2363

Details

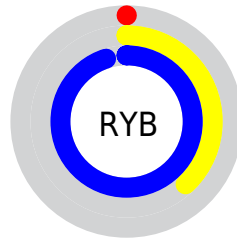
The XYZ color **29.6632, 33.6832, 88.9425** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **39.2076, 24.0555, 2.5786**, and the grayscale version is **19.3520, 20.3598, 22.1719**.

A 20% lighter version of the original color is **50.2131, 62.1841, 103.9640**, and **14.7743, 15.5374, 48.1193** is the 20% darker color. If you saturate the color by 10%, you get **29.6599, 33.6763, 88.9421**, and if you desaturate by 10%, it is **31.4698, 36.7275, 89.4356**.

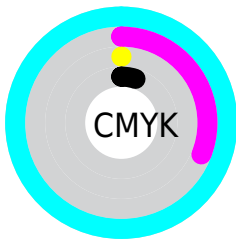
Distribution



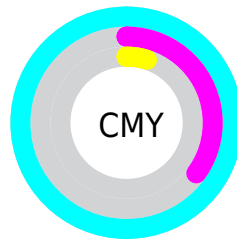
- Red (0%)
- Green (65%)
- Blue (95%)



- Red (0%)
- Yellow (38%)
- Blue (95%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6632, 33.6832, 88.9425 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 29.6632, 33.6832, 88.9425 by changing the saturation by 10% instead.

■ 29.6632, 33.6832,
88.9425

■ 29.6632, 33.6832,
88.9425

292.2695,
318.7171, 545.0659

■ 19.7299, 22.6503,
66.5351

■ 58.5194, 65.4407,
147.7913

■ 12.3060, 14.3355,
48.2477

■ 78.1731, 86.9342,
185.0697

■ 7.0261, 8.3544,
33.6617

■ 101.7975,
112.6832, 228.1423

■ 3.5249, 4.3225,
22.3586

■ 129.7581,
143.0724, 277.4276

■ 1.4370, 1.8556,
13.9198

■ 162.4203,
178.4859, 333.3440

■ 0.2824, 0.5215,
7.9268

200.1493,

■ 0.0000, 0.0000,

219.3083, 396.3102

3.9610

243.3106,
265.9239, 466.7446

■ 0.0000, 0.0000,
1.6040

■ 0.0000, 0.0000,
0.2937

■ 29.6632, 33.6832,
88.9425

■ 29.6632, 33.6832,
88.9425

■ 29.6599, 33.6763,
88.9421

■ 31.4698, 36.7275,
89.4356

■ 33.8339, 40.1821,
89.9778

■ 36.9059, 44.1268,
90.5773

■ 40.7752, 48.6099,
91.2387

■ 45.5174, 53.6719,
91.9658

■ 51.1984, 59.3490,
92.7622

■ 57.8776, 65.6733,
93.6309

■ 65.6093, 72.6748,
94.5748

■ 74.4434, 80.3808,
95.5966

Harmonies

Analogous

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



24.0896, 33.6832, 74.4372



29.6632, 33.6832, 88.9425



36.7401, 33.6832, 86.0674

Triad

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



29.6632, 33.6832, 88.9425



46.3852, 33.6832, 25.2157



22.8410, 33.6832, 16.9974

Complementary

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



29.6632, 33.6832, 88.9425



39.2076, 24.0555, 2.5786

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.



27.7132, 33.6832, 11.0856



29.6632, 33.6832, 88.9425



41.5117, 33.6832, 14.4965

Square

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



29.6632, 33.6832, 88.9425



47.1088, 33.6832, 44.0249



34.4877, 33.6832, 10.3760



20.5478, 33.6832, 30.1928

Rectangle

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



29.6632, 33.6832, 88.9425



41.3600, 33.6832, 74.9303



34.4877, 33.6832, 10.3760



24.1955, 33.6832, 14.3318

Sweetspot

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



29.6645, 33.6843, 88.9434



65.0922, 73.8786, 105.4370



32.9442, 63.9816, 16.8555



13.2226, 15.1497, 22.4772



0.0000, 0.0000, 0.0000



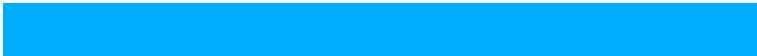
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6645, 33.6843, 88.9434



33.3598, 37.8396, 100.1533



17.1036, 8.5625, 84.7564



15.8042, 17.0425, 20.1782



16.0612, 18.3466, 47.8226



1.4247, 1.7034, 4.0079

Inverse Universe

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



43.5021, 21.6321, 37.9597



48.9677, 24.3511, 42.6234



55.8246, 57.2896, 8.1176



16.2306, 15.9420, 18.7706



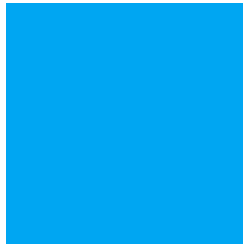
23.4325, 11.6454, 20.7262



1.9941, 0.9867, 1.9597

Previews

White Background



This preview shows how the XYZ color 29.6632, 33.6832, 88.9425 looks on a white background.

Color Contrast Check

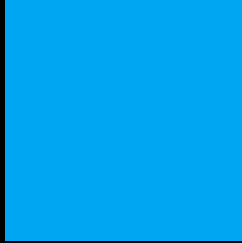
Large Text (above 18pt) WCAG AA × Fail

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 29.6632, 33.6832, 88.9425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

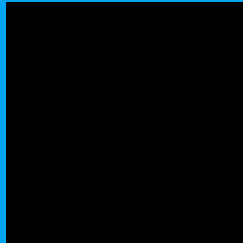
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

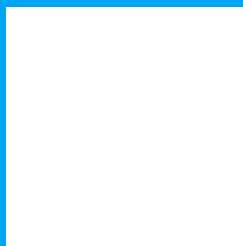
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6632, 33.6832, 88.9425

Background



This preview shows how black text looks on a background with the XYZ color 29.6632, 33.6832, 88.9425.



This preview shows how white text looks on a background with the XYZ color 29.6632, 33.6832,

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

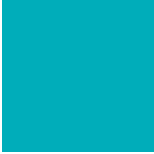
29.6632, 33.6832, 88.9425

Protanopia

35.0210, 33.2978, 80.1826

Deuteranopia

34.5243, 33.5598, 90.2460



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

29.6632, 33.6832, 88.9425



Protanomaly

30.7895, 32.2909, 83.2072



Deuteranomaly

31.2027, 32.8779, 89.4955



Tritanomaly

25.5153, 33.2057, 63.4571

Monochromacy



Original Color

29.6632, 33.6832, 88.9425



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.7542, 23.2888, 40.4998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6632, 33.6832, 88.9425 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 242) }
```

Border

The CSS property to change the border of an element to XYZ 29.6632, 33.6832, 88.9425 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, 242) }
```


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

```
.border{ border-color:rgb(0, 166, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 166, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 166, 242); box-shadow:4px 4px 4px 4px rgb(0, 166, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6632, 33.6832, 88.9425 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, 242) }
```

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

```
.background{ background-color: rgb(0, 166,  
242) }
```

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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