

Converting Colors

XYZ(14.0333, 27.3916, 95.4112)

Have a look what the booklet for
XYZ(14.0333, 27.3916, 95.4112)
contains.

XYZ(32.3562, 36.8522, 96.6746)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.3562, 36.8522,
96.6746)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADFB
RGB	0, 173, 251
RGB Percent	0%, 68%, 98%
CMY	0.9997, 0.3216, 0.0157
CMYK	1.00, 0.31, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	32.3562, 36.8522, 96.6746
YIQ	130.1650, -128.1460, -12.4180

Conversions

Conversions Part 2

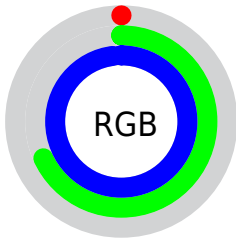
Format	Color
RYB	0, 102, 251
Decimal	44539
CIELab	67.17, -9.35, -48.84
CIELCh	67, 49.725, 259.159
Yxy	36.8522, 0.1951, 0.2222
Android (android.graphics.Color)	4278234619 (0xFF00ADFB)
YUV	130.1650, 59.5717, -114.1547
Hunter-Lab	60.7060, -11.0953, -51.9254

Details

The XYZ color **32.3562, 36.8522, 96.6746** 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 **42.5142, 25.9692, 2.7740**, and the grayscale version is **21.1134, 22.2130, 24.1899**.

A 20% lighter version of the original color is **52.4755, 66.1515, 104.6105**, and **16.5750, 17.5698, 53.5566** is the 20% darker color. If you saturate the color by 10%, you get **32.3520, 36.8437, 96.6740**, and if you desaturate by 10%, it is **34.3021, 40.1421, 97.2079**.

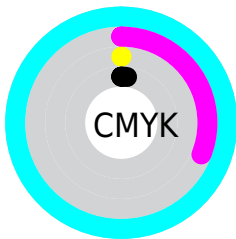
Distribution



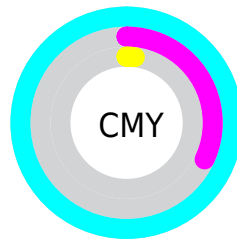
- Red (0%)
- Green (68%)
- Blue (98%)



- Red (0%)
- Yellow (40%)
- Blue (98%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (32%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3562, 36.8522, 96.6746 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 32.3562, 36.8522, 96.6746 by changing the saturation by 10% instead.

■ 32.3562, 36.8522,
96.6746

■ 32.3562, 36.8522,
96.6746

304.4552,
332.6702, 570.6330

■ 21.7906, 25.0931,
72.9250

■ 62.7305, 70.3454,
158.5915

■ 13.8188, 16.1464,
53.4232

■ 83.2699, 92.8483,
197.5959

■ 8.0756, 9.6278,
37.7506

■ 107.8646,
119.7012, 242.5223

■ 4.1956, 5.1529,
25.4889

■ 136.8800,
151.2886, 293.7892

■ 1.8134, 2.3373,
16.2193

■ 170.6814,
187.9947, 351.8152

■ 0.5257, 0.7933,
9.5235

209.6342,

■ 0.0000, 0.0000,

230.2041, 417.0188

4.9827

254.1036,
278.3012, 489.8185

■ 0.0000, 0.0000,
2.1786

■ 0.0000, 0.0000,
0.6620

■ 32.3562, 36.8522,
96.6746

■ 32.3562, 36.8522,
96.6746

■ 32.3520, 36.8437,
96.6740

■ 34.3021, 40.1421,
97.2079

■ 36.8549, 43.8763,
97.7941

■ 40.1762, 48.1407,
98.4421

■ 44.3643, 52.9878,
99.1570

■ 49.5016, 58.4623,
99.9429

■ 55.6604, 64.6033,
100.8036

■ 62.9055, 71.4462,
101.7426

■ 71.2962, 79.0233,
102.7629

■ 80.8871, 87.3648,
103.8674

Harmonies

Analogous

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



26.3332, 36.8522, 80.7161



32.3562, 36.8522, 96.6746



40.0316, 36.8522, 93.8857

Triad

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



32.3562, 36.8522, 96.6746



50.6785, 36.8522, 27.9259



25.1165, 36.8522, 18.5493

Complementary

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



32.3562, 36.8522, 96.6746



42.5142, 25.9692, 2.7740

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.



30.4578, 36.8522, 12.1999



32.3562, 36.8522, 96.6746



45.4500, 36.8522, 16.1057

Square

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



32.3562, 36.8522, 96.6746



51.3816, 36.8522, 48.5009



37.8407, 36.8522, 11.5050



22.5729, 36.8522, 32.7750

Rectangle

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



32.3562, 36.8522, 96.6746



45.0610, 36.8522, 81.9784



37.8407, 36.8522, 11.5050



26.6053, 36.8522, 15.6807

Sweetspot

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



32.3576, 36.8534, 96.6756



65.1626, 74.0194, 105.4605



35.7806, 69.5083, 18.2510



13.2395, 15.1834, 22.4829



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.



32.3576, 36.8534, 96.6756



33.5232, 38.1663, 100.2077



18.5655, 9.2693, 92.0782



17.2840, 18.6448, 22.0731



17.1411, 19.6378, 50.8606



1.6819, 2.0075, 4.7420

Inverse Universe

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



47.3278, 23.5283, 41.5830



49.0501, 24.3841, 43.0576



60.6282, 62.1972, 8.8120



17.7499, 17.4273, 20.5387



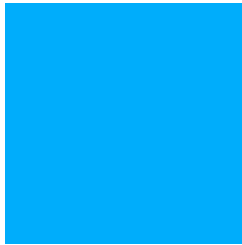
24.9441, 12.3933, 22.2117



2.3579, 1.1669, 2.3080

Previews

White Background



This preview shows how the XYZ color 32.3562, 36.8522, 96.6746 looks on a white background.

Color Contrast Check

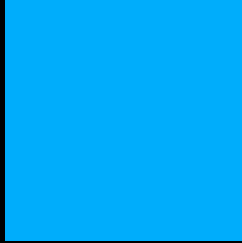
Large Text (above 18pt) WCAG AA × Fail

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 32.3562, 36.8522, 96.6746 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

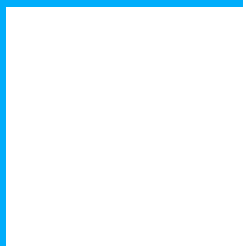
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3562, 36.8522, 96.6746

Background



This preview shows how black text looks on a background with the XYZ color 32.3562, 36.8522, 96.6746.



This preview shows how white text looks on a background with the XYZ color 32.3562, 36.8522,

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

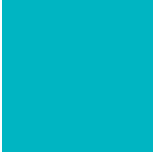
32.3562, 36.8522, 96.6746

Protanopia

38.4523, 36.6671, 87.4889

Deuteranopia

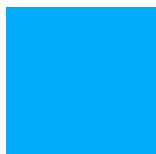
37.7492, 36.5738, 98.8358



Tritanopia

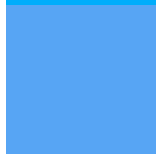
26.2615, 36.9428, 56.7855

Trichromacy



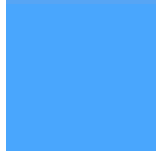
Original Color

32.3562, 36.8522, 96.6746



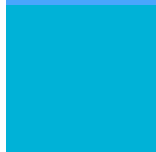
Protanomaly

33.7147, 35.4682, 90.6570



Deuteranomaly

34.1135, 35.7808, 98.0369



Tritanomaly

28.1861, 36.7471, 69.8973

Monochromacy



Original Color

32.3562, 36.8522, 96.6746



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

21.4861, 25.4528, 43.8248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3562, 36.8522, 96.6746 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, 173, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 251)  
}
```

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, 173, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 251) }
```

Border

The CSS property to change the border of an element to XYZ 32.3562, 36.8522, 96.6746 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, 173, 251) }
```


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

```
.border{ border-color:rgb(0, 173, 251) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3562, 36.8522, 96.6746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 251) }
```

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

```
.background{ background-color: rgb(0, 173,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor