

# Converting Colors

XYZ(32.5965, 36.0312, 99.8444)

Have a look what the booklet for  
XYZ(32.5965, 36.0312, 99.8444)  
contains.

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# Color

**XYZ(32.6217, 36.0710,  
99.8508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0FAAFF
RGB	15, 170, 255
RGB Percent	6%, 67%, 100%
CMY	0.9410, 0.3333, 0.0000
CMYK	0.94, 0.33, 0.00, 0.00
HSL	201°, 100%, 53%
HSV	201°, 94%, 100%
XYZ	32.6217, 36.0710, 99.8508
YIQ	133.3450, -119.6650, -6.4250

# Conversions

## Conversions Part 2

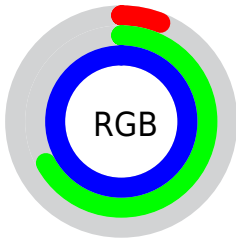
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	15, 109, 255
Decimal	1026815
CIE Lab	66.57, -5.85, -51.94
CIE LCh	67, 52.269, 263.575
Yxy	36.0710, 0.1936, 0.2140
Android (android.graphics.Color)	4279216895 (0xFF0FAAFF)
YUV	133.3450, 59.9759, -103.7886
Hunter-Lab	60.0591, -8.1495, -56.5307

# Details

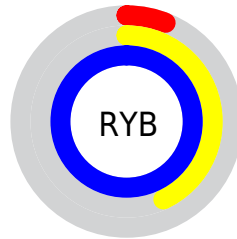
The XYZ color **32.6217, 36.0710, 99.8508** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.8891, 30.4195, 3.9070**, and the grayscale version is **22.2460, 23.4045, 25.4875**.

A 20% lighter version of the original color is **52.0454, 64.7153, 104.3560**, and **16.6715, 17.0341, 55.8353** is the 20% darker color. If you saturate the color by 10%, you get **31.4453, 34.0106, 99.5151**, and if you desaturate by 10%, it is **35.0739, 39.9365, 100.4677**.

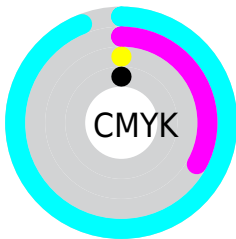
# Distribution



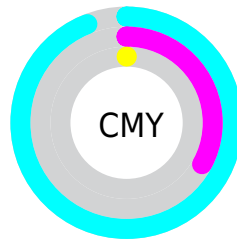
- Red (6%)
- Green (67%)
- Blue (100%)



- Red (6%)
- Yellow (43%)
- Blue (100%)



- Cyan (94%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (33%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6217, 36.0710, 99.8508 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 32.6217, 36.0710, 99.8508 by changing the saturation by 10% instead.





 32.6217, 36.0710,  
99.8508


 32.6217, 36.0710,  
99.8508


305.6369,  
329.2708, 580.9568


 21.9946, 24.4890,  
75.5598

 63.1431, 69.1416,  
163.0022


 13.9695, 15.6968,  
55.5671


 83.7682, 91.3991,  
202.6997


 8.1810, 9.3098,  
39.4543

 108.4566,  
117.9839, 248.3697

 4.2638, 4.9438,  
26.8028

 137.5737,  
149.2803, 300.4308

 1.8524, 2.2143,  
17.1940

 171.4850,  
185.6728, 359.3015

 0.5490, 0.7278,  
10.2095

210.5557,

 0.0000, 0.0000,

227.5458, 425.4004

5.4307

255.1512,  
275.2836, 499.1460

■ 0.0000, 0.0000,  
2.4390

■ 0.0000, 0.0000,  
0.8076

■ 32.6217, 36.0710,  
99.8508

■ 32.6217, 36.0710,  
99.8508

■ 31.4453, 34.0106,  
99.5151

■ 35.0739, 39.9365,  
100.4677

■ 38.2983, 44.3757,  
101.1546

■ 42.4087, 49.4510,  
101.9176

■ 47.4974, 55.2132,  
102.7616

■ 53.6442, 61.7064,  
103.6909

■ 60.9202, 68.9704,  
104.7095

■ 69.3897, 77.0412,  
105.8209

■ 79.1122, 85.9523,  
107.0285

■ 90.1428, 95.7350,  
108.3354

# Harmonies

## Analogous

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



26.0751, 36.0710, 85.3762



32.6217, 36.0710, 99.8508



40.6870, 36.0710, 93.7601

# Triad

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



32.6217, 36.0710, 99.8508



50.0751, 36.0710, 24.3905



23.5105, 36.0710, 18.7822

# Complementary

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



32.6217, 36.0710, 99.8508



45.8891, 30.4195, 3.9070

# 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.



28.5914, 36.0710, 11.4724



32.6217, 36.0710, 99.8508



44.0578, 36.0710, 13.7383

# Square

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



32.6217, 36.0710, 99.8508



51.5908, 36.0710, 44.3178



36.0027, 36.0710, 10.0645

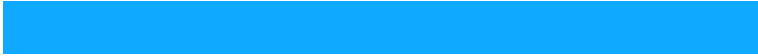


21.3587, 36.0710, 34.6304



# Rectangle

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



32.6217, 36.0710, 99.8508



45.7853, 36.0710, 79.6891



36.0027, 36.0710, 10.0645



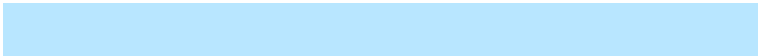
24.8913, 36.0710, 15.5325

# Sweetspot

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



32.6230, 36.0721, 99.8509



65.9368, 73.7917, 105.3757



38.2118, 72.5236, 23.7981



13.3431, 15.0572, 22.4530



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.



32.6230, 36.0721, 99.8509



31.4453, 34.0106, 99.5151



19.4339, 9.6939, 95.4546



17.9817, 19.3351, 23.0343



16.5768, 18.0631, 52.0474



1.7170, 1.9648, 5.1020



# Inverse Universe

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



48.6675, 24.5056, 40.1960



48.0013, 23.9645, 37.5347



66.6604, 71.9621, 10.8308



18.5034, 18.1847, 21.2682



25.1554, 12.5514, 20.0006



2.5013, 1.2429, 2.2212



# Previews

## White Background



This preview shows how the XYZ color 32.6217, 36.0710, 99.8508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

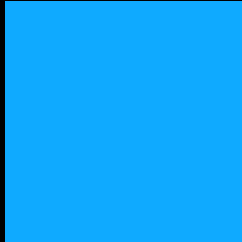
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.6217, 36.0710, 99.8508 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

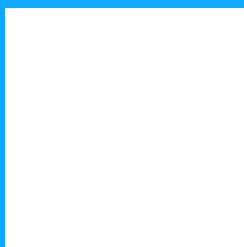
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.6217, 36.0710, 99.8508**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.6217, 36.0710, 99.8508.



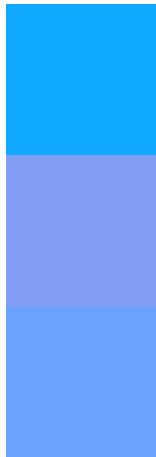
This preview shows how white text looks on a background with the XYZ color 32.6217, 36.0710,



# 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

32.6217, 36.0710, 99.8508

### Protanopia

37.7619, 35.7312, 90.4945

### Deuteranopia

36.8583, 35.8355, 99.5821



## Tritanopia

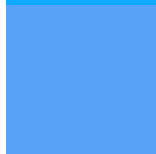
25.6345, 36.0460, 55.4757

# Trichromacy



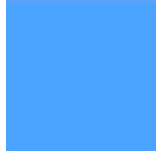
## Original Color

32.6217, 36.0710, 99.8508



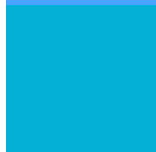
## Protanomaly

33.8881, 34.6927, 93.7172



## Deuteranomaly

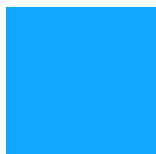
34.1495, 35.2268, 99.6073



## Tritanomaly

27.8537, 35.9892, 69.7686

# Monochromacy



## Original Color

32.6217, 36.0710, 99.8508



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

22.4311, 25.9058, 45.4130

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.6217, 36.0710, 99.8508 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(15, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 170, 255)  
}
```

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(15, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 170, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 32.6217, 36.0710, 99.8508 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(15, 170, 255) }
```



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

```
.border{ border-color:rgb(15, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 170,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.6217, 36.0710, 99.8508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 170, 255) }
```

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

```
.background{ background-color: rgb(15, 170,  
255) }
```

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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