

Converting Colors

XYZ(36.0174, 32.9413,
103.1682)

Have a look what the booklet for
XYZ(36.0174, 32.9413, 103.1682)
contains.

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Color

**XYZ(35.3416, 32.8023,
99.0765)**

Conversions

Conversions Part 1

Format	Color
Hex	6B98FF
RGB	107, 152, 255
RGB Percent	42%, 60%, 100%
CMY	0.5804, 0.4039, 0.0000
CMYK	0.58, 0.40, 0.00, 0.00
HSL	222°, 100%, 71%
HSV	222°, 58%, 100%
XYZ	35.3416, 32.8023, 99.0765
YIQ	150.2870, -59.8830, 22.4930

Conversions

Conversions Part 2

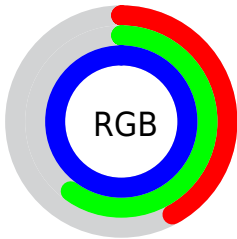
Format	Color
RYB	107, 142, 255
Decimal	7051519
CIELab	64.00, 14.71, -55.87
CIElCh	64, 57.779, 284.754
Yxy	32.8023, 0.2113, 0.1962
Android (android.graphics.Color)	4285241599 (0xFF6B98FF)
YUV	150.2870, 51.6235, -37.9627
Hunter-Lab	57.2733, 9.9186, -62.4739

Details

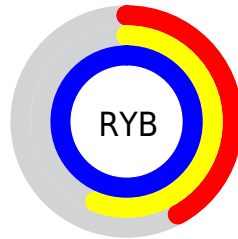
The XYZ color **35.3416, 32.8023, 99.0765** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.9420, 68.4173, 23.5895**, and the grayscale version is **28.9184, 30.4244, 33.1321**.

A 20% lighter version of the original color is **56.2698, 59.6874, 103.1628**, and **15.6041, 13.9200, 55.2905** is the 20% darker color. If you saturate the color by 10%, you get **30.0473, 26.1125, 98.0643**, and if you desaturate by 10%, it is **41.9729, 40.8220, 100.2750**.

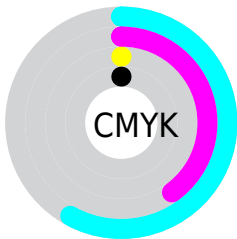
Distribution



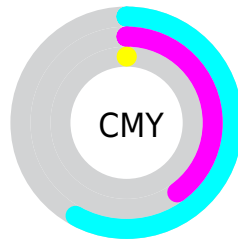
- Red (42%)
- Green (60%)
- Blue (100%)



- Red (42%)
- Yellow (56%)
- Blue (100%)



- Cyan (58%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3416, 32.8023, 99.0765 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 35.3416, 32.8023, 99.0765 by changing the saturation by 10% instead.

■ 35.3416, 32.8023,
99.0765

■ 35.3416, 32.8023,
99.0765

317.5552,
314.7579, 578.4491

■ 24.0939, 21.9750,
74.9169

■ 67.3452, 64.0667,
161.9283

■ 15.5284, 13.8386,
55.0435

■ 88.8317, 85.2727,
201.4576

■ 9.2798, 8.0085,
39.0377

■ 114.4619,
110.7071, 246.9472

■ 4.9827, 4.1004,
26.4810

144.6011,
140.7541, 298.8157

■ 2.2718, 1.7299,
16.9549

179.6147,
175.7984, 357.4816

■ 0.7802, 0.4429,
10.0407

219.8680,

■ 0.0000, 0.0000,

216.2242, 423.3635

5.3200

265.7264,
262.4159, 496.8798

■ 0.0000, 0.0000,
2.3742

■ 0.0000, 0.0000,
0.7723

■ 35.3416, 32.8023,
99.0765

■ 35.3416, 32.8023,
99.0765

■ 30.0473, 26.1125,
98.0643

■ 41.9729, 40.8220,
100.2750

■ 25.9854, 20.6691,
97.2277

■ 50.0277, 50.2414,
101.6686

■ 23.0395, 16.3821,
96.5555

■ 59.5888, 61.1287,
103.2661

■ 21.0561, 13.1392,
96.0341

■ 70.7316, 73.5466,
105.0757

■ 20.7410, 12.6021,
95.9470

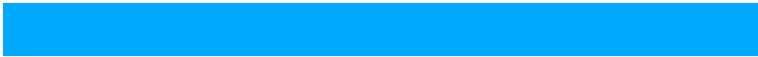
■ 83.5260, 87.5537,
107.1050

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.2353, 32.8023, 98.8798



35.3416, 32.8023, 99.0765



43.5648, 32.8023, 78.0115

Triad

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



35.3416, 32.8023, 99.0765



43.6838, 32.8023, 12.5188



18.3697, 32.8023, 25.1657

Complementary

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



35.3416, 32.8023, 99.0765



66.9420, 68.4173, 23.5895

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.



21.3939, 32.8023, 12.3838



35.3416, 32.8023, 99.0765



35.4830, 32.8023, 7.5556

Square

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



35.3416, 32.8023, 99.0765



48.9214, 32.8023, 25.4615



27.3542, 32.8023, 7.5203



18.3452, 32.8023, 48.4096

Rectangle

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



35.3416, 32.8023, 99.0765



47.6097, 32.8023, 58.4831



27.3542, 32.8023, 7.5203



19.0421, 32.8023, 19.7894

Sweetspot

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



35.3428, 32.8033, 99.0767



71.9798, 74.9236, 105.2757



53.2261, 79.2070, 72.2451



14.8922, 15.4688, 22.4508



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.



35.3428, 32.8033, 99.0767



29.1558, 24.9480, 97.8865



33.1621, 22.8166, 97.2640



17.4533, 18.2782, 22.8581



10.9520, 6.8135, 50.1725



1.1577, 0.8461, 4.9156

Inverse Universe

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



52.1661, 34.0439, 33.5283



47.9402, 28.1305, 24.2942



70.3672, 89.0541, 27.3922



18.2367, 18.0780, 19.8636



22.3162, 11.4158, 5.0498



2.2190, 1.1300, 0.7345

Previews

White Background



This preview shows how the XYZ color 35.3416, 32.8023, 99.0765 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 35.3416, 32.8023, 99.0765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

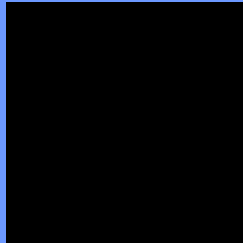
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

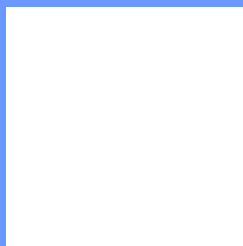
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3416, 32.8023, 99.0765

Background



This preview shows how black text looks on a background with the XYZ color 35.3416, 32.8023, 99.0765.



This preview shows how white text looks on a background with the XYZ color 35.3416, 32.8023,

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

35.3416, 32.8023, 99.0765

Protanopia

35.7661, 32.7997, 98.2118

Deuteranopia

33.8272, 32.7721, 98.3087



Tritanopia

25.3236, 32.8780, 48.7274

Trichromacy



Original Color

35.3416, 32.8023, 99.0765

Protanomaly

35.5115, 32.6685, 98.1999

Deuteranomaly

34.2689, 32.7538, 98.2819

Tritanomaly

28.2360, 32.4210, 64.4442

Monochromacy



Original Color

35.3416, 32.8023, 99.0765

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9752, 30.8324, 51.9483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3416, 32.8023, 99.0765 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(107, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 152, 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(107, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.3416, 32.8023, 99.0765 is called "border". The border property can be set on classes, ids or directly on the HTML element.

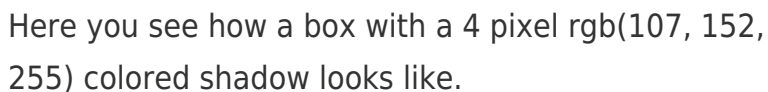
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 152, 255) }
```


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

```
.border{ border-color:rgb(107, 152, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3416, 32.8023, 99.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 152, 255) }
```

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

```
.background{ background-color: rgb(107,  
152, 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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