

Converting Colors

XYZ(17.5198, 28.5752, 98.4721)

Have a look what the booklet for
XYZ(17.5198, 28.5752, 98.4721)
contains.

XYZ(32.4523, 36.2816, 99.0586)	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(32.4523, 36.2816,
99.0586)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABFE
RGB	0, 171, 254
RGB Percent	0%, 67%, 100%
CMY	0.9997, 0.3294, 0.0039
CMYK	1.00, 0.33, 0.00, 0.00
HSL	200°, 100%, 50%
HSV	200°, 100%, 100%
XYZ	32.4523, 36.2816, 99.0586
YIQ	129.3330, -128.5590, -10.4390

Conversions

Conversions Part 2

Format	Color
RYB	0, 102, 254
Decimal	44030
CIELab	66.73, -7.15, -51.15
CIELCh	67, 51.645, 262.045
Yxy	36.2816, 0.1934, 0.2162
Android (android.graphics.Color)	4278234110 (0xFF00ABFE)
YUV	129.3330, 61.4608, -113.4250
Hunter-Lab	60.2342, -9.2397, -55.3418

Details

The XYZ color **32.4523, 36.2816, 99.0586** 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 **43.9726, 27.2688, 2.9479**, and the grayscale version is **20.8146, 21.8986, 23.8475**.

A 20% lighter version of the original color is **51.9284, 65.0575, 104.4282**, and **16.6749, 17.2249, 55.2692** is the 20% darker color. If you saturate the color by 10%, you get **32.4482, 36.2732, 99.0580**, and if you desaturate by 10%, it is **34.4833, 39.7308, 99.6181**.

Distribution



- Red (0%)
- Green (67%)
- Blue (100%)



- Red (0%)
- Yellow (40%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4523, 36.2816, 99.0586 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 32.4523, 36.2816, 99.0586 by changing the saturation by 10% instead.


 32.4523, 36.2816,
99.0586


 32.4523, 36.2816,
99.0586


304.8833,
330.1897, 578.3911

 21.8644, 24.6518,
74.9021


 62.8799, 69.4665,
161.9035


 13.8734, 15.8178,
55.0314


 83.4503, 91.7903,
201.4289


 8.1137, 9.3953,
39.0281


 108.0790,
118.4476, 246.9143

 4.2202, 4.9999,
26.4736

 137.1313,
149.8228, 298.7784

 1.8275, 2.2472,
16.9493

 170.9725,
186.3001, 357.4395

 0.5341, 0.7456,
10.0368

209.9680,

 0.0000, 0.0000,

228.2642, 423.3163

5.3174

254.4831,
276.0992, 496.8273

■ 0.0000, 0.0000,
2.3727

■ 0.0000, 0.0000,
0.7715

■ 32.4523, 36.2816,
99.0586

■ 32.4523, 36.2816,
99.0586

■ 32.4482, 36.2732,
99.0580

■ 34.4833, 39.7308,
99.6181

■ 37.1477, 43.6548,
100.2351

■ 40.6112, 48.1422,
100.9187

■ 44.9752, 53.2477,
101.6742

■ 50.3250, 59.0176,
102.5059

■ 56.7352, 65.4927,
103.4179

■ 64.2728, 72.7099,
104.4136

■ 72.9990, 80.7029,
105.4965

■ 82.9703, 89.5033,
106.6696

Harmonies

Analogous

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



26.0662, 36.2816, 83.9148



32.4523, 36.2816, 99.0586



40.4191, 36.2816, 94.1154

Triad

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



32.4523, 36.2816, 99.0586



50.3191, 36.2816, 25.4891



23.9688, 36.2816, 18.5544

Complementary

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



32.4523, 36.2816, 99.0586



43.9726, 27.2688, 2.9479

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.



29.1614, 36.2816, 11.5869



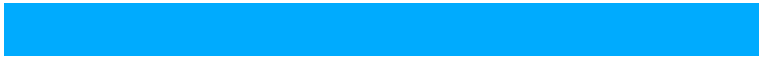
32.4523, 36.2816, 99.0586



44.5445, 36.2816, 14.4111

Square

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



32.4523, 36.2816, 99.0586



51.5527, 36.2816, 45.7455



36.6000, 36.2816, 10.4255



21.6729, 36.2816, 33.8586

Rectangle

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



32.4523, 36.2816, 99.0586



45.5230, 36.2816, 80.7044



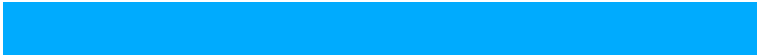
36.6000, 36.2816, 10.4255



25.3925, 36.2816, 15.4394

Sweetspot

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



32.4537, 36.2828, 99.0595



64.8205, 73.3351, 105.3464



36.9090, 71.4711, 19.5335



13.1576, 15.0197, 22.4556



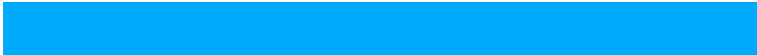
0.0000, 0.0000, 0.0000



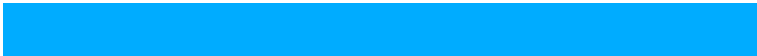
20.3446, 21.4041, 23.3091

Same Dimension

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



32.4537, 36.2828, 99.0595



32.7360, 36.5921, 99.9453



18.8921, 9.1596, 94.5390



18.0251, 19.4218, 23.0487



17.2473, 19.4041, 52.2709



1.7790, 2.0887, 5.1227

Inverse Universe

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



48.2251, 24.0130, 40.6221



48.6528, 24.2251, 40.9654



63.2952, 65.9140, 9.3888



18.5253, 18.1934, 21.3835



25.4938, 12.6868, 21.7827



2.5326, 1.2554, 2.3859

Previews

White Background



This preview shows how the XYZ color 32.4523, 36.2816, 99.0586 looks on a white background.

Color Contrast Check

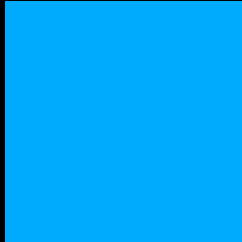
Large Text (above 18pt) WCAG AA × Fail

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 32.4523, 36.2816, 99.0586 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

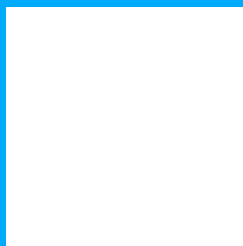
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4523, 36.2816, 99.0586

Background



This preview shows how black text looks on a background with the XYZ color 32.4523, 36.2816, 99.0586.



This preview shows how white text looks on a background with the XYZ color 32.4523, 36.2816,

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

32.4523, 36.2816, 99.0586

Protanopia

37.9202, 35.8303, 89.7114

Deuteranopia

37.1015, 35.9609, 99.5934



Tritanopia

25.6345, 36.0460, 55.4757

Trichromacy



Original Color

32.4523, 36.2816, 99.0586

Protanomaly

33.5419, 34.7946, 92.9439

Deuteranomaly

33.9594, 35.3955, 99.6499

Tritanomaly

27.7911, 35.9570, 69.7656

Monochromacy



Original Color

32.4523, 36.2816, 99.0586

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0929, 24.7963, 43.7189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4523, 36.2816, 99.0586 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, 171, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 254)  
}
```

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, 171, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 254) }
```

Border

The CSS property to change the border of an element to XYZ 32.4523, 36.2816, 99.0586 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, 171, 254) }
```


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

```
.border{ border-color:rgb(0, 171, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4523, 36.2816, 99.0586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 254) }
```

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

```
.background{ background-color: rgb(0, 171,  
254) }
```

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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