

Converting Colors

XYZ(32.0006, 34.8281, 98.2840)

Have a look what the booklet for
XYZ(32.0006, 34.8281, 98.2840)
contains.

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Color

**XYZ(32.0272, 34.9762,
97.9916)**

Conversions

Conversions Part 1

Format	Color
Hex	1CA7FD
RGB	28, 167, 253
RGB Percent	11%, 65%, 99%
CMY	0.8901, 0.3451, 0.0078
CMYK	0.89, 0.34, 0.00, 0.01
HSL	203°, 98%, 55%
HSV	203°, 89%, 99%
XYZ	32.0272, 34.9762, 97.9916
YIQ	135.2430, -110.4500, -2.7220

Conversions

Conversions Part 2

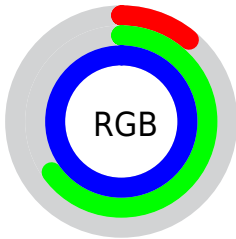
Format	Color
R _Y B	28, 114, 253
Decimal	1878013
CIE Lab	65.73, -4.35, -52.18
CIE LCh	66, 52.363, 265.234
Yxy	34.9762, 0.1941, 0.2120
Android (android.graphics.Color)	4280068093 (0xFF1CA7FD)
YUV	135.2430, 58.0542, -94.0521
Hunter-Lab	59.1407, -6.8308, -56.8405

Details

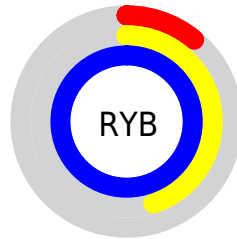
The XYZ color **32.0272, 34.9762, 97.9916** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **46.7391, 33.0084, 5.0084**, and the grayscale version is **22.9438, 24.1387, 26.2871**.

A 20% lighter version of the original color is **51.6425, 63.3141, 104.1067**, and **16.2092, 16.4763, 54.5505** is the 20% darker color. If you saturate the color by 10%, you get **29.8769, 31.3354, 97.4030**, and if you desaturate by 10%, it is **34.8731, 39.1732, 98.6525**.

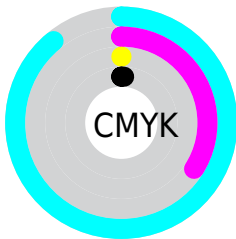
Distribution



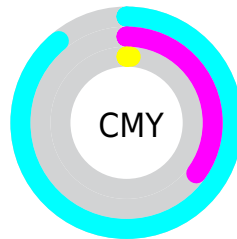
- Red (11%)
- Green (65%)
- Blue (99%)



- Red (11%)
- Yellow (45%)
- Blue (99%)



- Cyan (89%)
- Magenta (34%)
- Yellow (0%)
- Black (1%)



- Cyan (89%)
- Magenta (35%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0272, 34.9762, 97.9916 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 32.0272, 34.9762, 97.9916 by changing the saturation by 10% instead.

■ 32.0272, 34.9762,
97.9916

■ 32.0272, 34.9762,
97.9916

302.9862,
324.4633, 574.9257

■ 21.5379, 23.6445,
74.0168

■ 62.2186, 67.4489,
160.4222

■ 13.6325, 15.0702,
54.3109

■ 82.6515, 89.3587,
199.7150

■ 7.9455, 8.8686,
38.4554

■ 107.1296,
115.5634, 244.9509

■ 4.1116, 4.6556,
26.0318

■ 136.0183,
146.4473, 296.5485

■ 1.7655, 2.0466,
16.6214

■ 169.6830,
182.3949, 354.9262

■ 0.4967, 0.6344,
9.8059

208.4889,

■ 0.0000, 0.0000,

223.7904, 420.5026

5.1665

252.8016,
271.0184, 493.6963

■ 0.0000, 0.0000,
2.2848

■ 0.0000, 0.0000,
0.7227

■ 32.0272, 34.9762,
97.9916

■ 32.0272, 34.9762,
97.9916

■ 29.8769, 31.3354,
97.4030

■ 34.8731, 39.1732,
98.6525

■ 29.6663, 30.9650,
97.3426

■ 38.5553, 44.0017,
99.3904

■ 43.1744, 49.5181,
100.2117

■ 48.8145, 55.7696,
101.1211

■ 55.5497, 62.7983,
102.1228

■ 63.4466, 70.6421,
103.2206

■ 72.5662, 79.3361,
104.4180

■ 82.9650, 88.9130,
105.7185

■ 94.4259, 99.2642,
107.1124

Harmonies

Analogous

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



25.4870, 34.9762, 84.6882



32.0272, 34.9762, 97.9916



39.9723, 34.9762, 90.8416

Triad

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



32.0272, 34.9762, 97.9916



48.5369, 34.9762, 22.7001



22.4927, 34.9762, 18.6416

Complementary

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



32.0272, 34.9762, 97.9916



46.7391, 33.0084, 5.0084

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.



27.3163, 34.9762, 11.1422



32.0272, 34.9762, 97.9916



42.4336, 34.9762, 12.7703

Square

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



32.0272, 34.9762, 97.9916



50.3127, 34.9762, 41.7209



34.4909, 34.9762, 9.5085



20.5514, 34.9762, 34.6632

Rectangle

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



32.0272, 34.9762, 97.9916



44.9183, 34.9762, 76.4864



34.4909, 34.9762, 9.5085



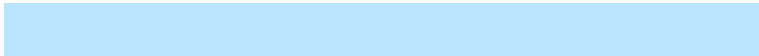
23.7907, 34.9762, 15.3271

Sweetspot

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



32.0286, 34.9773, 97.9925



66.2672, 73.5400, 105.3097



38.4482, 71.6356, 26.7015



13.5495, 15.1242, 22.4551



0.0000, 0.0000, 0.0000



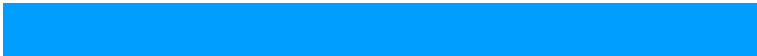
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0286, 34.9773, 97.9925



30.1953, 31.5106, 99.0984



19.7240, 10.3681, 93.8910



17.9375, 19.2466, 23.0195



15.9265, 16.7627, 51.8307



1.6564, 1.8435, 5.0818

Inverse Universe

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



47.8996, 24.5049, 38.7654



47.3704, 23.7122, 34.2122



67.1074, 73.7449, 11.7978



18.4811, 18.1758, 21.1506



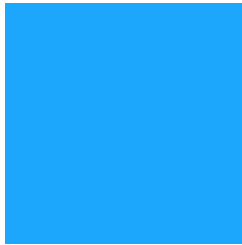
24.8272, 12.4202, 18.2722



2.4707, 1.2306, 2.0600

Previews

White Background



This preview shows how the XYZ color 32.0272, 34.9762, 97.9916 looks on a white background.

Color Contrast Check

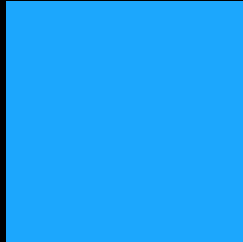
Large Text (above 18pt) WCAG AA × Fail

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 32.0272, 34.9762, 97.9916 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

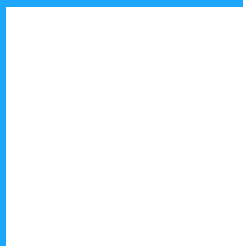
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0272, 34.9762, 97.9916

Background



This preview shows how black text looks on a background with the XYZ color 32.0272, 34.9762, 97.9916.

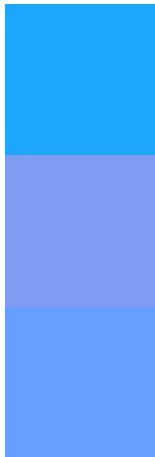


This preview shows how white text looks on a background with the XYZ color 32.0272, 34.9762,

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

32.0272, 34.9762, 97.9916

Protanopia

36.8185, 34.7600, 89.5628

Deuteranopia

35.9276, 34.8411, 99.4391



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

32.0272, 34.9762, 97.9916

Protanomaly

33.6737, 34.0812, 92.7992

Deuteranomaly

33.7114, 34.4923, 98.6468

Tritanomaly

26.9524, 34.7051, 67.5656

Monochromacy



Original Color

32.0272, 34.9762, 97.9916

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.2935, 26.5686, 46.0200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0272, 34.9762, 97.9916 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(28, 167, 253)` looks like.

```
.text, #text, p{  
  color:rgb(28, 167, 253)  
}
```

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(28, 167, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 167, 253) }
```

Border

The CSS property to change the border of an element to XYZ 32.0272, 34.9762, 97.9916 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(28, 167, 253) }
```


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

```
.border{ border-color:rgb(28, 167, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 167, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 167, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 167, 253);  
box-shadow:4px 4px 4px 4px rgb(28, 167,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0272, 34.9762, 97.9916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 167, 253) }
```

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

```
.background{ background-color: rgb(28, 167,  
253) }
```

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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