

Converting Colors

XYZ(32.9565, 42.1938, 82.3263)

Have a look what the booklet for
XYZ(32.9565, 42.1938, 82.3263)
contains.

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Color

**XYZ(32.9981, 42.3589,
82.0382)**

Conversions

Conversions Part 1

Format	Color
Hex	18BDE7
RGB	24, 189, 231
RGB Percent	9%, 74%, 91%
CMY	0.9058, 0.2588, 0.0941
CMYK	0.90, 0.18, 0.00, 0.09
HSL	192°, 81%, 50%
HSV	192°, 90%, 91%
XYZ	32.9981, 42.3589, 82.0382
YIQ	144.4530, -111.8220, -21.9180

Conversions

Conversions Part 2

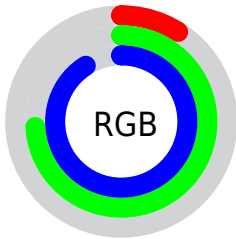
Format	Color
RYB	24, 116, 231
Decimal	1621479
CIELab	71.12, -24.09, -31.79
CIELCh	71, 39.886, 232.841
Yxy	42.3589, 0.2097, 0.2691
Android (android.graphics.Color)	4279811559 (0xFF18BDE7)
YUV	144.4530, 42.6677, -105.6373
Hunter-Lab	65.0837, -23.3952, -29.1766

Details

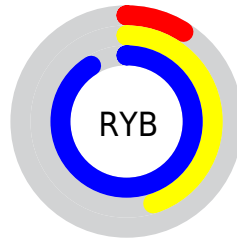
The XYZ color **32.9981, 42.3589, 82.0382** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.0706, 20.9553, 3.0623**, and the grayscale version is **26.5618, 27.9451, 30.4322**.

A 20% lighter version of the original color is **57.5125, 76.0355, 106.2528**, and **16.4018, 20.4231, 43.6350** is the 20% darker color. If you saturate the color by 10%, you get **31.6416, 40.1875, 81.6914**, and if you desaturate by 10%, it is **34.8252, 44.8228, 82.4183**.

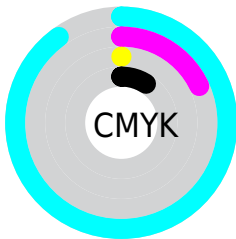
Distribution



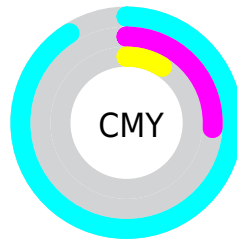
- Red (9%)
- Green (74%)
- Blue (91%)



- Red (9%)
- Yellow (45%)
- Blue (91%)



- Cyan (90%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (91%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9981, 42.3589, 82.0382 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 32.9981, 42.3589, 82.0382 by changing the saturation by 10% instead.

■ 32.9981, 42.3589,
82.0382

■ 32.9981, 42.3589,
82.0382

307.3063,
355.9686, 521.6623

■ 22.2842, 29.3824,
60.8610

■ 63.7273, 78.7425,
138.0647

■ 14.1837, 19.3703,
43.6832

■ 84.4732, 102.9184,
173.7512

■ 8.3311, 11.9382,
30.0862

■ 109.2940,
131.5963, 215.1111

■ 4.3611, 6.7016,
19.6514

■ 138.5548,
165.1605, 262.5631

■ 1.9084, 3.2762,
11.9603

■ 172.6211,
203.9954, 316.5257

■ 0.5817, 1.2776,
6.5945

211.8582,

■ 0.0000, 0.1237,

248.4855, 377.4174

3.1352

256.6315,
299.0151, 445.6567

■ 0.0000, 0.0000,
1.1641

■ 0.0000, 0.0000,
0.0000

■ 32.9981, 42.3589,
82.0382

■ 32.9981, 42.3589,
82.0382

■ 31.6416, 40.1875,
81.6914

■ 34.8252, 44.8228,
82.4183

■ 31.5905, 40.1027,
81.6777

■ 37.2471, 47.6413,
82.8347

■ 40.3433, 50.8568,
83.2922

■ 44.1797, 54.5035,
83.7939

■ 48.8144, 58.6119,
84.3426

■ 54.2991, 63.2090,
84.9408

■ 60.6812, 68.3198,
85.5909

■ 68.0047, 73.9672,
86.2950

■ 76.3104, 80.1728,
87.0550

Harmonies

Analogous

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



29.5571, 42.3589, 61.9048



32.9981, 42.3589, 82.0382



38.6831, 42.3589, 93.0265

Triad

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



32.9981, 42.3589, 82.0382



54.3789, 42.3589, 50.8538



35.4833, 42.3589, 19.8711

Complementary

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



32.9981, 42.3589, 82.0382



35.0706, 20.9553, 3.0623

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.



41.8810, 42.3589, 18.4274



32.9981, 42.3589, 82.0382



53.2794, 42.3589, 33.2788

Square

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



32.9981, 42.3589, 82.0382



51.3754, 42.3589, 72.0652



48.5180, 42.3589, 22.5992



30.8774, 42.3589, 27.2976

Rectangle

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



32.9981, 42.3589, 82.0382



43.1800, 42.3589, 92.0205



48.5180, 42.3589, 22.5992



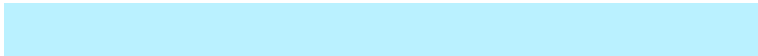
37.4764, 42.3589, 18.7726

Sweetspot

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



32.9995, 42.3604, 82.0393



69.8000, 80.6055, 106.4873



29.9202, 57.7337, 14.6328



14.3891, 16.8035, 22.7350



0.0000, 0.0000, 0.0000



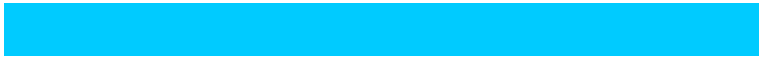
20.3446, 21.4041, 23.3091

Same Dimension

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



32.9995, 42.3604, 82.0393



39.4661, 50.0522, 102.1887



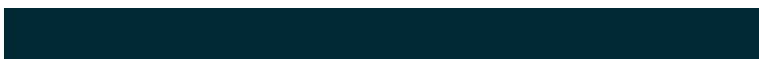
18.1391, 12.6395, 77.0858



14.5460, 15.8135, 18.4300



17.8006, 22.6634, 45.8194



1.3785, 1.8009, 3.4069

Inverse Universe

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



42.4682, 21.3180, 50.0219



52.0499, 25.5839, 58.8539



47.2919, 45.3979, 7.1361



14.8632, 14.5625, 17.4800



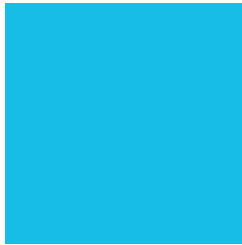
23.3784, 11.4856, 26.6856



1.7594, 0.8615, 2.1396

Previews

White Background



This preview shows how the XYZ color 32.9981, 42.3589, 82.0382 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 32.9981, 42.3589, 82.0382 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

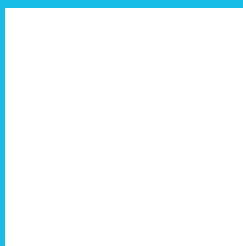
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9981, 42.3589, 82.0382

Background



This preview shows how black text looks on a background with the XYZ color 32.9981, 42.3589, 82.0382.

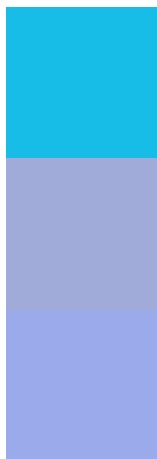


This preview shows how white text looks on a background with the XYZ color 32.9981, 42.3589,

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

32.9981, 42.3589, 82.0382

Protanopia

41.9157, 41.7648, 72.1819

Deuteranopia

42.6965, 41.6176, 84.3799



Tritanopia

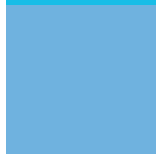
30.1121, 42.2043, 65.5906

Trichromacy



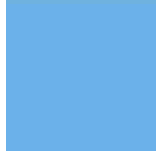
Original Color

32.9981, 42.3589, 82.0382



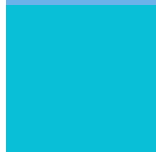
Protanomaly

35.7952, 40.5480, 75.7520



Deuteranomaly

36.6368, 40.5106, 83.7303



Tritanomaly

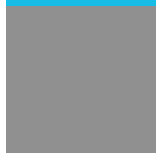
31.1381, 42.2775, 71.4850

Monochromacy



Original Color

32.9981, 42.3589, 82.0382



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.6628, 30.9855, 45.7025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9981, 42.3589, 82.0382 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(24, 189, 231)` looks like.

```
.text, #text, p{  
    color:rgb(24, 189, 231)  
}
```

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(24, 189, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 189, 231) }
```

Border

The CSS property to change the border of an element to XYZ 32.9981, 42.3589, 82.0382 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(24, 189, 231) }
```


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

```
.border{ border-color:rgb(24, 189, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 189, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 189, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 189, 231);  
box-shadow:4px 4px 4px 4px rgb(24, 189,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9981, 42.3589, 82.0382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 189, 231) }
```

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

```
.background{ background-color: rgb(24, 189,  
231) }
```

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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