

Converting Colors

XYZ(28.6380, 40.2405, 80.2597)

Have a look what the booklet for
XYZ(28.6380, 40.2405, 80.2597)
contains.

XYZ(32.3405, 42.0523, 80.5411)	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(32.3405, 42.0523,
80.5411)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDE5
RGB	0, 189, 229
RGB Percent	0%, 74%, 90%
CMY	0.9997, 0.2588, 0.1020
CMYK	1.00, 0.17, 0.00, 0.10
HSL	190°, 100%, 45%
HSV	190°, 100%, 90%
XYZ	32.3405, 42.0523, 80.5411
YIQ	137.0490, -125.4840, -27.6280

Conversions

Conversions Part 2

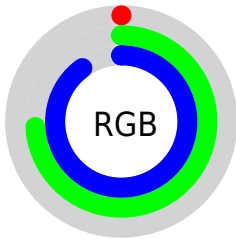
Format	Color
RYB	0, 104, 229
Decimal	48613
CIELab	70.91, -25.53, -31.04
CIELCh	71, 40.191, 230.556
Yxy	42.0523, 0.2087, 0.2714
Android (android.graphics.Color)	4278238693 (0xFF00BDE5)
YUV	137.0490, 45.3318, -120.1920
Hunter-Lab	64.8477, -24.4630, -28.2449

Details

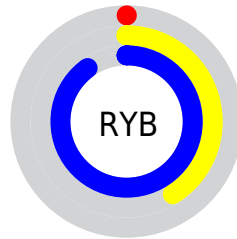
The XYZ color **32.3405, 42.0523, 80.5411** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.0748, 18.1804, 1.7679**, and the grayscale version is **23.6725, 24.9053, 27.1218**.

A 20% lighter version of the original color is **56.8867, 75.7130, 106.2236**, and **16.2068, 20.3451, 42.6080** is the 20% darker color. If you saturate the color by 10%, you get **32.3386, 42.0483, 80.5413**, and if you desaturate by 10%, it is **33.5663, 43.9803, 80.8495**.

Distribution



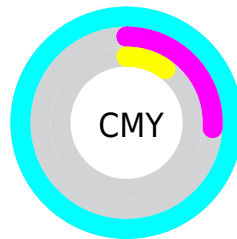
- Red (0%)
- Green (74%)
- Blue (90%)



- Red (0%)
- Yellow (41%)
- Blue (90%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3405, 42.0523, 80.5411 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 32.3405, 42.0523, 80.5411 by changing the saturation by 10% instead.

■ 32.3405, 42.0523,
80.5411

■ 32.3405, 42.0523,
80.5411

304.3852,
354.6997, 516.5093

■ 21.7785, 29.1422,
59.6349

■ 62.7061, 78.2788,
135.9445

■ 13.8099, 19.1885,
42.7011

■ 83.2404, 102.3640,
171.2788

■ 8.0694, 11.8065,
29.3210

■ 107.8296,
130.9430, 212.2596

■ 4.1916, 6.6121,
19.0761

■ 136.8389,
164.4003, 259.3053

■ 1.8111, 3.2207,
11.5479

■ 170.6338,
203.1202, 312.8347

■ 0.5243, 1.2480,
6.3179

209.5796,

■ 0.0000, 0.1004,

247.4872, 373.2661

2.9674

254.0416,
297.8855, 441.0181

■ 0.0000, 0.0000,
1.0780

■ 0.0000, 0.0000,
0.0000

■ 32.3405, 42.0523,
80.5411

■ 32.3405, 42.0523,
80.5411

■ 32.3386, 42.0483,
80.5413

■ 33.5663, 43.9803,
80.8495

■ 35.2310, 46.1694,
81.1843

■ 37.4687, 48.6897,
81.5528

■ 40.3564, 51.5812,
81.9587

■ 43.9588, 54.8774,
82.4051

■ 48.3328, 58.6080,
82.8946

■ 53.5292, 62.7994,
83.4298

■ 59.5945, 67.4759,
84.0127

■ 66.5717, 72.6599,
84.6456

Harmonies

Analogous

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



29.0932, 42.0523, 59.9812



32.3405, 42.0523, 80.5411



37.8954, 42.0523, 92.5973

Triad

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



32.3405, 42.0523, 80.5411



54.0505, 42.0523, 52.1034



35.6203, 42.0523, 19.2283

Complementary

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



32.3405, 42.0523, 80.5411



33.0748, 18.1804, 1.7679

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.



42.1178, 42.0523, 18.2113



32.3405, 42.0523, 80.5411



53.2659, 42.0523, 34.0311

Square

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



32.3405, 42.0523, 80.5411



50.7502, 42.0523, 73.4114



48.7127, 42.0523, 22.8217



30.8350, 42.0523, 26.1421

Rectangle

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



32.3405, 42.0523, 80.5411



42.3729, 42.0523, 92.3989



48.7127, 42.0523, 22.8217



37.6587, 42.0523, 18.2785

Sweetspot

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



32.3419, 42.0538, 80.5421



68.1684, 80.0309, 106.4624



28.3739, 56.1811, 11.2012



13.9626, 16.6296, 22.7239



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.



32.3419, 42.0538, 80.5421



41.2071, 53.5342, 102.7690



16.7544, 10.8788, 75.3463



14.5820, 15.8854, 18.4420



18.5686, 24.1993, 46.0754



1.4287, 1.9013, 3.4237

Inverse Universe

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



41.4997, 20.3339, 49.8829



52.9286, 25.9355, 63.4815



43.6543, 39.3394, 5.2944



14.8813, 14.5697, 17.5756



23.7661, 11.6407, 28.7269



1.7848, 0.8716, 2.2731

Previews

White Background



This preview shows how the XYZ color 32.3405, 42.0523, 80.5411 looks on a white background.

Color Contrast Check

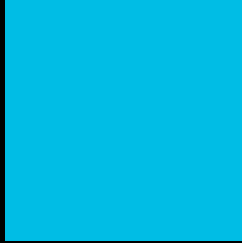
Large Text (above 18pt) WCAG AA × Fail

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 32.3405, 42.0523, 80.5411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

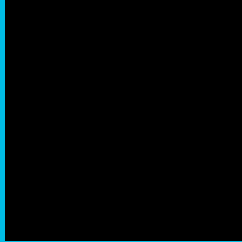
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.3405, 42.0523, 80.5411

Background



This preview shows how black text looks on a background with the XYZ color 32.3405, 42.0523, 80.5411.

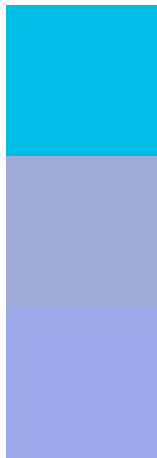


This preview shows how white text looks on a background with the XYZ color 32.3405, 42.0523,

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

32.3405, 42.0523, 80.5411

Protanopia

41.6555, 41.6608, 70.8116

Deuteranopia

42.6003, 41.6012, 82.8754



Tritanopia

30.1121, 42.2043, 65.5906

Trichromacy



Original Color

32.3405, 42.0523, 80.5411



Protanomaly

34.4510, 39.8860, 74.2896



Deuteranomaly

35.4332, 39.9231, 82.1823



Tritanomaly

30.8965, 42.1679, 70.8008

Monochromacy



Original Color

32.3405, 42.0523, 80.5411



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

23.0746, 28.7055, 42.3548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3405, 42.0523, 80.5411 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, 189, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 229)  
}
```

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, 189, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 229) }
```

Border

The CSS property to change the border of an element to XYZ 32.3405, 42.0523, 80.5411 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, 189, 229) }
```


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

```
.border{ border-color:rgb(0, 189, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3405, 42.0523, 80.5411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 229) }
```

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

```
.background{ background-color: rgb(0, 189,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor