

Converting Colors

XYZ(28.3046, 38.7796, 86.4716)

Have a look what the booklet for
XYZ(28.3046, 38.7796, 86.4716)
contains.

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Color

**XYZ(32.8450, 41.2322,
86.3483)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAED
RGB	0, 186, 237
RGB Percent	0%, 73%, 93%
CMY	0.9997, 0.2706, 0.0706
CMYK	1.00, 0.22, 0.00, 0.07
HSL	193°, 100%, 46%
HSV	193°, 100%, 93%
XYZ	32.8450, 41.2322, 86.3483
YIQ	136.2000, -127.2270, -23.5710

Conversions

Conversions Part 2

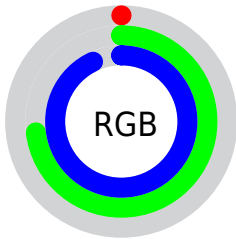
Format	Color
RYB	0, 104, 237
Decimal	47853
CIELab	70.34, -21.28, -36.26
CIELCh	70, 42.045, 239.599
Yxy	41.2322, 0.2047, 0.2570
Android (android.graphics.Color)	4278237933 (0xFF00BAED)
YUV	136.2000, 49.6944, -119.4474
Hunter-Lab	64.2123, -21.0677, -34.7805

Details

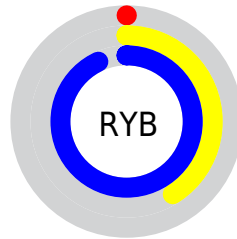
The XYZ color **32.8450, 41.2322, 86.3483** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **36.1126, 20.3785, 2.0321**, and the grayscale version is **23.3387, 24.5541, 26.7394**.

A 20% lighter version of the original color is **56.2325, 74.0393, 105.9350**, and **16.7280, 20.1113, 46.7163** is the 20% darker color. If you saturate the color by 10%, you get **32.8424, 41.2269, 86.3482**, and if you desaturate by 10%, it is **34.3108, 43.6126, 86.7313**.

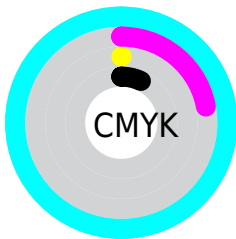
Distribution



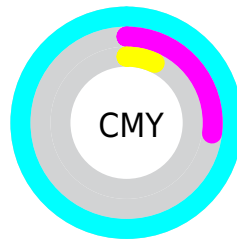
- Red (0%)
- Green (73%)
- Blue (93%)



- Red (0%)
- Yellow (41%)
- Blue (93%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8450, 41.2322, 86.3483 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 32.8450, 41.2322, 86.3483 by changing the saturation by 10% instead.

■ 32.8450, 41.2322,
86.3483

■ 32.8450, 41.2322,
86.3483

306.6281,
351.2902, 536.3395

■ 22.1664, 28.5006,
64.3995

■ 63.4898, 77.0363,
144.1463

■ 14.0965, 18.7033,
46.5261

■ 84.1866, 100.8775,
180.8325

■ 8.2700, 11.4561,
32.3095

■ 108.9536,
129.1907, 223.2683

■ 4.3214, 6.3745,
21.3312

■ 138.1561,
162.3602, 271.8722

■ 1.8855, 3.0741,
13.1727

■ 172.1595,
200.7706, 327.0627

■ 0.5684, 1.1705,
7.4155

211.3290,

■ 0.0000, 0.0375,

244.8061, 389.2584

3.6409

256.0301,
294.8511, 458.8778

■ 0.0000, 0.0000,
1.4305

■ 0.0000, 0.0000,
0.1653

■ 32.8450, 41.2322,
86.3483

■ 32.8450, 41.2322,
86.3483

■ 32.8424, 41.2269,
86.3482

■ 34.3108, 43.6126,
86.7313

■ 36.2665, 46.3024,
87.1475

■ 38.8553, 49.3767,
87.6044

■ 42.1616, 52.8796,
88.1063

■ 46.2560, 56.8480,
88.6564

■ 51.2005, 61.3143,
89.2579

■ 57.0507, 66.3079,
89.9135

■ 63.8572, 71.8553,
90.6255

■ 71.6670, 77.9813,
91.3963

Harmonies

Analogous

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



28.7377, 41.2322, 66.4277



32.8450, 41.2322, 86.3483



39.0970, 41.2322, 94.6917

Triad

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



32.8450, 41.2322, 86.3483



54.0299, 41.2322, 45.1619



32.9885, 41.2322, 19.2759

Complementary

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



32.8450, 41.2322, 86.3483



36.1126, 20.3785, 2.0321

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.



39.2831, 41.2322, 16.5869



32.8450, 41.2322, 86.3483



51.9115, 41.2322, 28.6046

Square

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



32.8450, 41.2322, 86.3483



51.7993, 41.2322, 67.0289



46.3036, 41.2322, 19.4279



28.8134, 41.2322, 28.2642

Rectangle

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



32.8450, 41.2322, 86.3483



43.8165, 41.2322, 91.1145



46.3036, 41.2322, 19.4279



34.9012, 41.2322, 17.7472

Sweetspot

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



32.8464, 41.2336, 86.3493



67.2551, 78.2044, 106.1580



30.8077, 60.7784, 12.8455



13.7422, 16.1889, 22.6504



0.0000, 0.0000, 0.0000



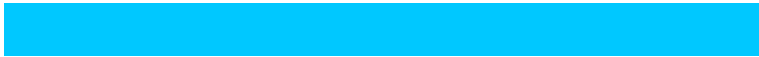
20.3446, 21.4041, 23.3091

Same Dimension

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



32.8464, 41.2336, 86.3493



38.7302, 48.5803, 101.9434



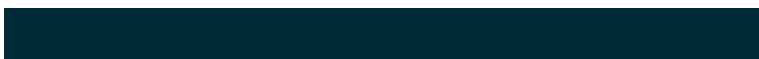
17.5498, 10.6404, 81.2505



15.2266, 16.5396, 19.3122



18.0304, 22.7079, 47.1757



1.4841, 1.9197, 3.7272

Inverse Universe

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



43.7893, 21.5515, 48.3074



51.6784, 25.4354, 56.8978



48.5478, 45.2488, 6.1771



15.5679, 15.2550, 18.2759



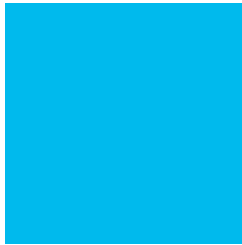
23.9562, 11.7852, 26.6346



1.9156, 0.9392, 2.2730

Previews

White Background



This preview shows how the XYZ color 32.8450, 41.2322, 86.3483 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 32.8450, 41.2322, 86.3483 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

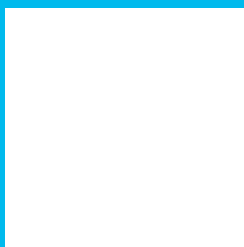
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8450, 41.2322, 86.3483

Background



This preview shows how black text looks on a background with the XYZ color 32.8450, 41.2322, 86.3483.

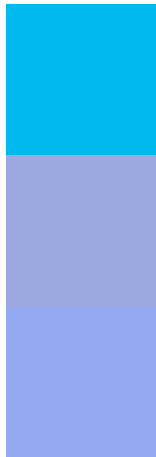


This preview shows how white text looks on a background with the XYZ color 32.8450, 41.2322,

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

32.8450, 41.2322, 86.3483

Protanopia

41.3528, 40.8257, 76.2216

Deuteranopia

41.9192, 40.8378, 88.8922



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

32.8450, 41.2322, 86.3483



Protanomaly

34.6184, 38.9697, 79.8261



Deuteranomaly

35.5723, 39.2784, 88.1447



Tritanomaly

30.7220, 41.4049, 72.0184

Monochromacy



Original Color

32.8450, 41.2322, 86.3483



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

23.0289, 28.1546, 43.7558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8450, 41.2322, 86.3483 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, 186, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 237)  
}
```

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, 186, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 237) }
```

Border

The CSS property to change the border of an element to XYZ 32.8450, 41.2322, 86.3483 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, 186, 237) }
```


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

```
.border{ border-color:rgb(0, 186, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8450, 41.2322, 86.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 237) }
```

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

```
.background{ background-color: rgb(0, 186,  
237) }
```

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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