

Converting Colors

XYZ(31.9579, 38.8220, 88.0136)

Have a look what the booklet for
XYZ(31.9579, 38.8220, 88.0136)
contains.

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Color

**XYZ(32.0494, 38.9338,
88.2639)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4F0
RGB	0, 180, 240
RGB Percent	0%, 71%, 94%
CMY	0.9998, 0.2941, 0.0588
CMYK	1.00, 0.25, 0.00, 0.06
HSL	195°, 100%, 47%
HSV	195°, 100%, 94%
XYZ	32.0494, 38.9338, 88.2639
YIQ	133.0200, -126.5400, -19.5000

Conversions

Conversions Part 2

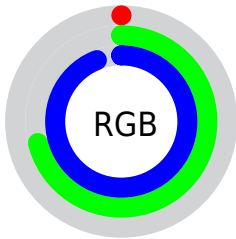
Format	Color
RYB	0, 103, 240
Decimal	46320
CIELab	68.70, -17.09, -40.44
CIELCh	69, 43.903, 247.097
Yxy	38.9338, 0.2013, 0.2445
Android (android.graphics.Color)	4278236400 (0xFF00B4F0)
YUV	133.0200, 52.7411, -116.6585
Hunter-Lab	62.3970, -17.5104, -40.1911

Details

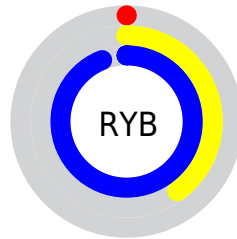
The XYZ color **32.0494, 38.9338, 88.2639** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **37.5549, 21.7636, 2.2232**, and the grayscale version is **22.1559, 23.3098, 25.3843**.

A 20% lighter version of the original color is **54.4759, 70.5259, 105.3494**, and **16.2411, 18.6394, 48.0892** is the 20% darker color. If you saturate the color by 10%, you get **32.0469, 38.9285, 88.2638**, and if you desaturate by 10%, it is **33.6662, 41.6056, 88.6952**.

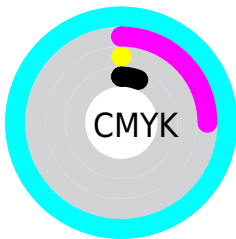
Distribution



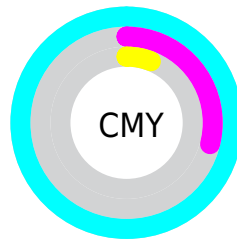
- Red (0%)
- Green (71%)
- Blue (94%)



- Red (0%)
- Yellow (40%)
- Blue (94%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0494, 38.9338, 88.2639 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 32.0494, 38.9338, 88.2639 by changing the saturation by 10% instead.

■ 32.0494, 38.9338,
88.2639

■ 32.0494, 38.9338,
88.2639

303.0855,
341.6090, 542.7907

■ 21.5550, 26.7082,
65.9761

■ 62.2532, 73.5372,
146.8389

■ 13.6450, 17.3542,
47.7966

■ 82.6933, 96.6838,
183.9631

■ 7.9542, 10.4874,
33.3070

■ 107.1793,
124.2395, 226.8699

■ 4.1172, 5.7233,
22.0887

■ 136.0765,
156.5888, 275.9777

■ 1.7687, 2.6776,
13.7231

■ 169.7504,
194.1159, 331.7052

■ 0.4987, 0.9658,
7.7918

208.5663,

■ 0.0000, 0.0000,

237.2054, 394.4708

3.8762

252.8896,
286.2416, 464.6932

■ 0.0000, 0.0000,
1.5577

■ 0.0000, 0.0000,
0.2603

■ 32.0494, 38.9338,
88.2639

■ 32.0494, 38.9338,
88.2639

■ 32.0469, 38.9285,
88.2638

■ 33.6662, 41.6056,
88.6952

■ 35.8009, 44.6227,
89.1650

■ 38.6010, 48.0625,
89.6814

■ 42.1535, 51.9710,
90.2486

■ 46.5316, 56.3866,
90.8701

■ 51.7994, 61.3435,
91.5493

■ 58.0146, 66.8720,
92.2888

■ 65.2295, 73.0002,
93.0914

■ 73.4928, 79.7540,
93.9595

Harmonies

Analogous

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



27.3461, 38.9338, 69.8871



32.0494, 38.9338, 88.2639



38.6794, 38.9338, 92.7756

Triad

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



32.0494, 38.9338, 88.2639



51.8965, 38.9338, 37.8420



29.5232, 38.9338, 18.6251

Complementary

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



32.0494, 38.9338, 88.2639



37.5549, 21.7636, 2.2232

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.



35.3805, 38.9338, 14.6454



32.0494, 38.9338, 88.2639



48.7073, 38.9338, 23.2605

Square

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



32.0494, 38.9338, 88.2639



50.7151, 38.9338, 59.0801



42.4477, 38.9338, 16.0264



26.0200, 38.9338, 29.1861

Rectangle

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



32.0494, 38.9338, 88.2639



43.4253, 38.9338, 86.3499



42.4477, 38.9338, 16.0264



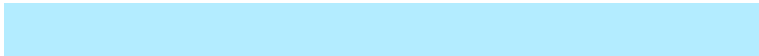
31.2516, 38.9338, 16.6526

Sweetspot

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



32.0508, 38.9351, 88.2649



66.4832, 76.6606, 105.9007



31.9780, 62.6479, 14.6883



13.5564, 15.8173, 22.5885



0.0000, 0.0000, 0.0000



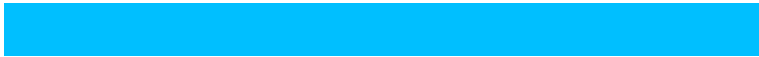
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0508, 38.9351, 88.2649



36.7321, 44.5842, 101.2774



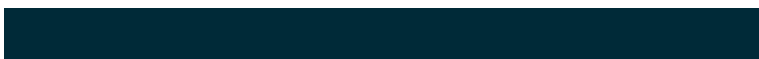
17.3474, 9.5283, 83.3638



15.8932, 17.2205, 20.2078



17.6538, 21.5319, 48.3535



1.5468, 1.9475, 4.0486

Inverse Universe

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



44.1747, 21.8222, 45.0650



50.6699, 25.0319, 51.5870



52.2604, 51.1746, 7.1250



16.2755, 15.9599, 19.0071



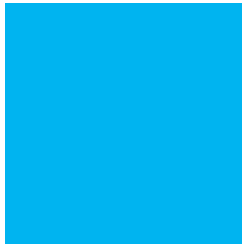
24.2364, 11.9670, 24.9594



2.0557, 1.0113, 2.2841

Previews

White Background



This preview shows how the XYZ color 32.0494, 38.9338, 88.2639 looks on a white background.

Color Contrast Check

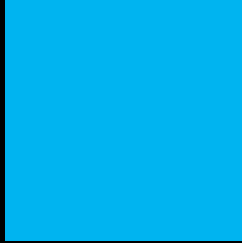
Large Text (above 18pt) WCAG AA × Fail

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 32.0494, 38.9338, 88.2639 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

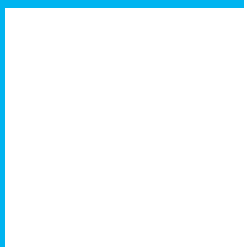
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0494, 38.9338, 88.2639

Background



This preview shows how black text looks on a background with the XYZ color 32.0494, 38.9338, 88.2639.



This preview shows how white text looks on a background with the XYZ color 32.0494, 38.9338,

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

32.0494, 38.9338, 88.2639

Protanopia

39.4918, 38.4483, 78.7386

Deuteranopia

39.4643, 38.4497, 90.1356



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

32.0494, 38.9338, 88.2639



Protanomaly

33.5563, 36.9553, 81.7084



Deuteranomaly

34.1480, 37.0916, 89.3640



Tritanomaly

29.0711, 38.7220, 69.5602

Monochromacy



Original Color

32.0494, 38.9338, 88.2639



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

22.0991, 26.7225, 43.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0494, 38.9338, 88.2639 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, 180, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 240)  
}
```

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, 180, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 240) }
```

Border

The CSS property to change the border of an element to XYZ 32.0494, 38.9338, 88.2639 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, 180, 240) }
```


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

```
.border{ border-color:rgb(0, 180, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0494, 38.9338, 88.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 240) }
```

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

```
.background{ background-color: rgb(0, 180,  
240) }
```

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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