

Converting Colors

XYZ(30.9147, 44.8506, 91.6896)

Have a look what the booklet for
XYZ(30.9147, 44.8506, 91.6896)
contains.

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Color

**XYZ(36.8319, 47.7796,
92.0752)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8F3
RGB	0, 200, 243
RGB Percent	0%, 78%, 95%
CMY	0.9997, 0.2157, 0.0471
CMYK	1.00, 0.18, 0.00, 0.05
HSL	191°, 100%, 48%
HSV	191°, 100%, 95%
XYZ	36.8319, 47.7796, 92.0752
YIQ	145.1020, -133.0030, -29.0270

Conversions

Conversions Part 2

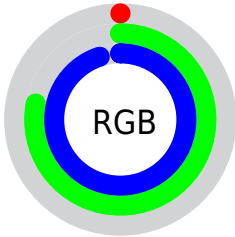
Format	Color
RYB	0, 110, 243
Decimal	51443
CIELab	74.69, -26.36, -32.77
CIELCh	75, 42.058, 231.193
Yxy	47.7796, 0.2085, 0.2704
Android (android.graphics.Color)	4278241523 (0xFF00C8F3)
YUV	145.1020, 48.2637, -127.2545
Hunter-Lab	69.1228, -25.8516, -30.5915

Details

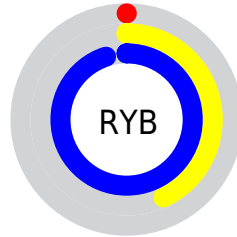
The XYZ color **36.8319, 47.7796, 92.0752** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.8291, 20.7874, 2.0204**, and the grayscale version is **26.8123, 28.2086, 30.7191**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.2485, 24.1456, 50.6598** is the 20% darker color. If you saturate the color by 10%, you get **36.8301, 47.7756, 92.0755**, and if you desaturate by 10%, it is **38.2283, 50.0000, 92.4311**.

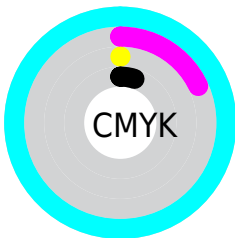
Distribution



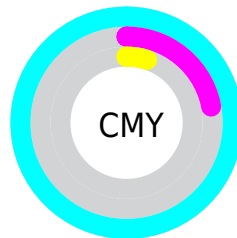
- Red (0%)
- Green (78%)
- Blue (95%)



- Red (0%)
- Yellow (43%)
- Blue (95%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8319, 47.7796, 92.0752 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 36.8319, 47.7796, 92.0752 by changing the saturation by 10% instead.

 36.8319, 47.7796,
92.0752


 36.8319, 47.7796,
92.0752


323.9504,
377.9178, 555.5019


 25.2504, 33.6524,
69.1197


 69.6297, 86.8762,
152.1782


 16.3935, 22.6267,
50.3368


 91.5767, 112.6143,
190.1628

 9.8956, 14.3181,
35.3081

 117.7097,
142.9915, 233.9942

 5.3915, 8.3422,
23.6148

 148.3939,
178.3922, 284.0909

 2.5159, 4.3147,
14.8386

 183.9947,
219.2008, 340.8715

 0.9033, 1.8511,
8.5608

224.8775,

 0.0000, 0.5187,

265.8017, 404.7545

4.3630

271.4076,
318.5792, 476.1584

■ 0.0000, 0.0000,
1.8265

■ 0.0000, 0.0000,
0.4454

■ 36.8319, 47.7796,
92.0752

■ 36.8319, 47.7796,
92.0752

■ 36.8301, 47.7756,
92.0755

■ 38.2283, 50.0000,
92.4311

■ 40.1319, 52.5229,
92.8178

■ 42.6933, 55.4272,
93.2434

■ 46.0020, 58.7594,
93.7121

■ 50.1331, 62.5584,
94.2277

■ 55.1523, 66.8585,
94.7932

■ 61.1185, 71.6903,
95.4113

■ 68.0855, 77.0819,
96.0848

■ 76.1030, 83.0592,
96.8160

Harmonies

Analogous

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



33.0709, 47.7796, 68.7243



36.8319, 47.7796, 92.0752



43.2054, 47.7796, 105.5159

Triad

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



36.8319, 47.7796, 92.0752



61.4939, 47.7796, 58.7201



40.3172, 47.7796, 21.8775

Complementary

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



36.8319, 47.7796, 92.0752



37.8291, 20.7874, 2.0204

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.



47.6947, 47.7796, 20.5879



36.8319, 47.7796, 92.0752



60.4975, 47.7796, 38.2751

Square

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



36.8319, 47.7796, 92.0752



57.8207, 47.7796, 83.0184



55.2332, 47.7796, 25.6874



34.9210, 47.7796, 29.8998

Rectangle

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



36.8319, 47.7796, 92.0752



48.3184, 47.7796, 105.0303



55.2332, 47.7796, 25.6874



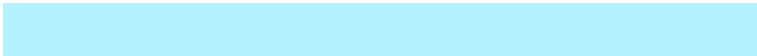
42.6266, 47.7796, 20.7519

Sweetspot

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



36.8335, 47.7813, 92.0764



68.1166, 79.9274, 106.4451



32.4443, 64.2594, 12.7506



13.9501, 16.6046, 22.7197



0.0000, 0.0000, 0.0000



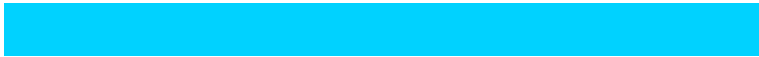
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8335, 47.7813, 92.0764



41.0635, 53.2471, 102.7212



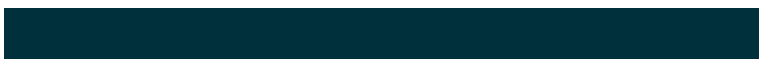
19.1243, 12.3629, 86.1733



16.7326, 18.2295, 21.1793



20.3033, 26.4003, 50.5637



1.8484, 2.4481, 4.4654

Inverse Universe

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



47.3889, 23.2266, 56.6306



52.8562, 25.9065, 63.1000



49.8872, 44.9036, 6.0398



17.0804, 16.7150, 20.1698



26.0527, 12.7645, 31.3153



2.3220, 1.1348, 2.9222

Previews

White Background



This preview shows how the XYZ color 36.8319, 47.7796, 92.0752 looks on a white background.

Color Contrast Check

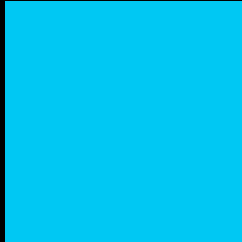
Large Text (above 18pt) WCAG AA × Fail

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 36.8319, 47.7796, 92.0752 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 36.8319, 47.7796, 92.0752

Background



This preview shows how black text looks on a background with the XYZ color 36.8319, 47.7796, 92.0752.



This preview shows how white text looks on a background with the XYZ color 36.8319, 47.7796,

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

36.8319, 47.7796, 92.0752

Protanopia

47.2587, 46.9576, 80.7017

Deuteranopia

48.3688, 47.2064, 95.3694



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



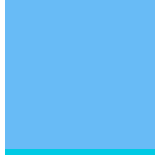
Original Color

36.8319, 47.7796, 92.0752



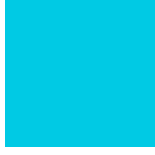
Protanomaly

38.9283, 44.7324, 84.4244



Deuteranomaly

40.1138, 45.1375, 93.7870



Tritanomaly

35.1241, 47.8425, 80.7821

Monochromacy



Original Color

36.8319, 47.7796, 92.0752



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.2093, 32.5218, 48.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8319, 47.7796, 92.0752 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, 200, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 243)  
}
```

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, 200, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 243) }
```

Border

The CSS property to change the border of an element to XYZ 36.8319, 47.7796, 92.0752 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, 200, 243) }
```


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

```
.border{ border-color:rgb(0, 200, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8319, 47.7796, 92.0752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 243) }
```

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

```
.background{ background-color: rgb(0, 200,  
243) }
```

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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