

Converting Colors

XYZ(36.6934, 46.4287, 95.5865)

Have a look what the booklet for
XYZ(36.6934, 46.4287, 95.5865)
contains.

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Color

**XYZ(36.6832, 46.2572,
95.8021)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C4F8 |
| RGB | 0, 196, 248 |
| RGB Percent | 0%, 77%, 97% |
| CMY | 0.9997, 0.2314, 0.0274 |
| CMYK | 1.00, 0.21, 0.00, 0.03 |
| HSL | 193°, 100%, 49% |
| HSV | 193°, 100%, 97% |
| XYZ | 36.6832, 46.2572, 95.8021 |
| YIQ | 143.3240, -133.5080, -25.3800 |

Conversions

Conversions Part 2

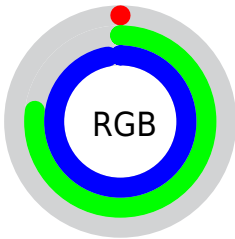
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 109, 248 |
| Decimal | 50424 |
| CIELab | 73.71, -22.65, -36.97 |
| CIELCh | 74, 43.359, 238.504 |
| Yxy | 46.2572, 0.2052, 0.2588 |
| Android (android.graphics.Color) | 4278240504 (0xFF00C4F8) |
| YUV | 143.3240, 51.6053, -125.6951 |
| Hunter-Lab | 68.0126, -22.7466, -35.9066 |

Details

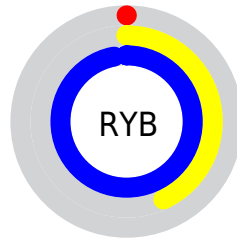
The XYZ color **36.6832, 46.2572, 95.8021** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **39.9432, 22.4188, 2.2240**, and the grayscale version is **26.0850, 27.4435, 29.8859**.

A 20% lighter version of the original color is **59.9853, 80.9813, 107.0771**, and **19.0770, 23.1076, 52.7450** is the 20% darker color. If you saturate the color by 10%, you get **36.6807, 46.2519, 95.8021**, and if you desaturate by 10%, it is **38.2753, 48.8508, 96.2197**.

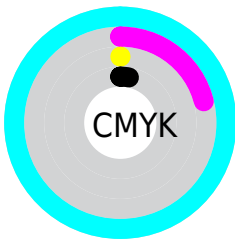
Distribution



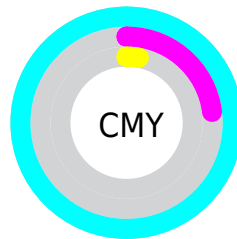
- Red (0%)
- Green (77%)
- Blue (97%)



- Red (0%)
- Yellow (43%)
- Blue (97%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (23%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6832, 46.2572, 95.8021 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 36.6832, 46.2572, 95.8021 by changing the saturation by 10% instead.

36.6832, 46.2572,
95.8021

36.6832, 46.2572,
95.8021

323.3163,
371.8417, 567.7794

25.1349, 32.4488,
72.2022

69.4023, 84.6038,
157.3774

16.3068, 21.7046,
52.8360

91.3037, 109.9108,
196.1898

9.8337, 13.6400,
37.2850

117.3869,
139.8195, 240.9101

5.3503, 7.8707,
25.1307

148.0172,
174.7142, 291.9569

2.4911, 4.0123,
15.9546

183.5599,
214.9794, 349.7487

0.8908, 1.6805,
9.3380

224.3804,

0.0000, 0.4110,

260.9995, 414.7040

4.8625

270.8441,
313.1588, 487.2414

■ 0.0000, 0.0000,
2.1095

■ 0.0000, 0.0000,
0.6214

■ 36.6832, 46.2572,
95.8021

■ 36.6832, 46.2572,
95.8021

■ 36.6807, 46.2519,
95.8021

■ 38.2753, 48.8508,
96.2197

■ 40.4115, 51.7850,
96.6735

■ 43.2490, 55.1423,
97.1720

■ 46.8818, 58.9719,
97.7197

■ 51.3893, 63.3150,
98.3204

■ 56.8407, 68.2080,
98.9775

■ 63.2981, 73.6834,
99.6941

■ 70.8181, 79.7710,
100.4727

■ 79.4531, 86.4983,
101.3161

Harmonies

Analogous

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



32.2079, 46.2572, 73.4035



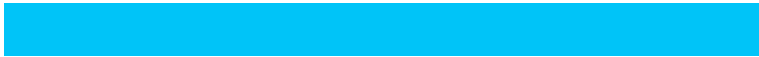
36.6832, 46.2572, 95.8021



43.5810, 46.2572, 105.6810

Triad

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



36.6832, 46.2572, 95.8021



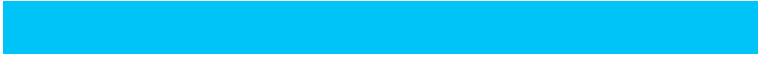
60.4696, 46.2572, 51.4804



37.2793, 46.2572, 21.5608

Complementary

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



36.6832, 46.2572, 95.8021



39.9432, 22.4188, 2.2240

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.



44.3534, 46.2572, 18.7816



36.6832, 46.2572, 95.8021



58.2856, 46.2572, 32.7368

Square

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



36.6832, 46.2572, 95.8021



57.8207, 46.2572, 75.8938



52.1542, 46.2572, 22.1951



32.5228, 46.2572, 31.3202

Rectangle

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



36.6832, 46.2572, 95.8021



48.8287, 46.2572, 102.1559



52.1542, 46.2572, 22.1951



39.4375, 46.2572, 19.9312

Sweetspot

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



36.6848, 46.2588, 95.8033



67.3786, 78.4513, 106.1991



34.1369, 67.3633, 14.1820



13.7720, 16.2484, 22.6603



0.0000, 0.0000, 0.0000



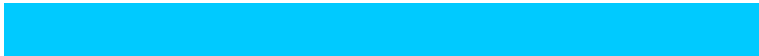
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6848, 46.2588, 95.8033



39.0578, 49.2357, 102.0526



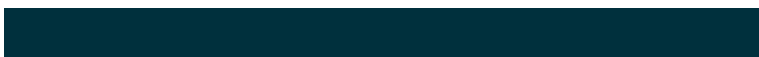
19.4231, 11.7355, 90.0494



17.4387, 18.9542, 22.1247



19.9199, 25.1953, 51.7868



1.9196, 2.4829, 4.8213

Inverse Universe

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



48.6767, 23.9438, 54.2821



51.8438, 25.5015, 57.7688



53.7752, 50.0829, 6.8347



17.8280, 17.4585, 20.9498



26.3466, 12.9544, 29.5976



2.4779, 1.2149, 2.9398

Previews

White Background



This preview shows how the XYZ color 36.6832, 46.2572, 95.8021 looks on a white background.

Color Contrast Check

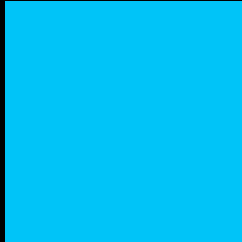
Large Text (above 18pt) WCAG AA × Fail

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 36.6832, 46.2572, 95.8021 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 36.6832, 46.2572, 95.8021

Background



This preview shows how black text looks on a background with the XYZ color 36.6832, 46.2572, 95.8021.

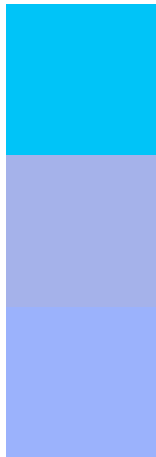


This preview shows how white text looks on a background with the XYZ color 36.6832, 46.2572,

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

36.6832, 46.2572, 95.8021

Protanopia

46.2887, 45.7806, 84.2388

Deuteranopia

47.0087, 45.8376, 98.4654



Tritanopia

32.9200, 46.2148, 71.4753

Trichromacy



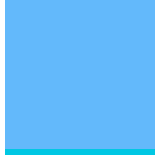
Original Color

36.6832, 46.2572, 95.8021



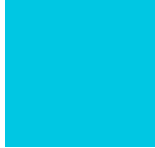
Protanomaly

38.7546, 43.9332, 88.0987



Deuteranomaly

39.9071, 44.3156, 97.7172



Tritanomaly

34.2886, 46.3929, 79.8206

Monochromacy



Original Color

36.6832, 46.2572, 95.8021



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.5752, 31.4010, 48.4291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6832, 46.2572, 95.8021 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, 196, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 248)  
}
```

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, 196, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 248) }
```

Border

The CSS property to change the border of an element to XYZ 36.6832, 46.2572, 95.8021 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, 196, 248) }
```


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

```
.border{ border-color:rgb(0, 196, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6832, 46.2572, 95.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 248) }
```

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

```
.background{ background-color: rgb(0, 196,  
248) }
```

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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