

Converting Colors

XYZ(36.1460, 45.9705, 93.1943)

Have a look what the booklet for
XYZ(36.1460, 45.9705, 93.1943)
contains.

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Color

**XYZ(36.2214, 46.0724,
93.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4F5
RGB	0, 196, 245
RGB Percent	0%, 77%, 96%
CMY	0.9997, 0.2314, 0.0392
CMYK	1.00, 0.20, 0.00, 0.04
HSL	192°, 100%, 48%
HSV	192°, 100%, 96%
XYZ	36.2214, 46.0724, 93.3700
YIQ	142.9820, -132.5450, -26.3130

Conversions

Conversions Part 2

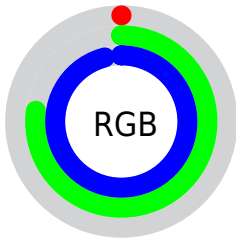
Format	Color
RYB	0, 109, 245
Decimal	50421
CIELab	73.59, -23.67, -35.54
CIELCh	74, 42.702, 236.336
Yxy	46.0724, 0.2062, 0.2623
Android (android.graphics.Color)	4278240501 (0xFF00C4F5)
YUV	142.9820, 50.2949, -125.3952
Hunter-Lab	67.8767, -23.5302, -34.0447

Details

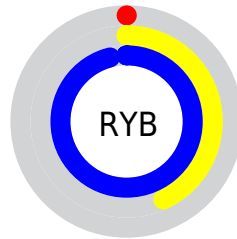
The XYZ color **36.2214, 46.0724, 93.3700** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.7584, 21.6157, 2.1316**, and the grayscale version is **25.9544, 27.3060, 29.7362**.

A 20% lighter version of the original color is **59.8574, 80.9153, 107.0711**, and **18.8583, 23.0201, 51.5935** is the 20% darker color. If you saturate the color by 10%, you get **36.2186, 46.0667, 93.3700**, and if you desaturate by 10%, it is **37.7363, 48.5223, 93.7640**.

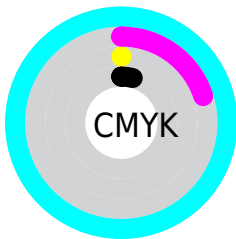
Distribution



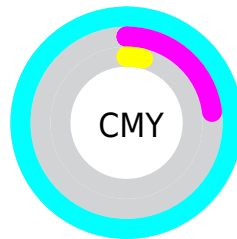
- Red (0%)
- Green (77%)
- Blue (96%)



- Red (0%)
- Yellow (43%)
- Blue (96%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2214, 46.0724, 93.3700 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 36.2214, 46.0724, 93.3700 by changing the saturation by 10% instead.

36.2214, 46.0724,
93.3700

36.2214, 46.0724,
93.3700

321.3416,
371.0996, 559.7839

24.7761, 32.3030,
70.1897

68.6953, 84.3273,
153.9869

16.0382, 21.5930,
51.2034

90.4546, 109.5816,
192.2606

9.6422, 13.5582,
35.9927

116.3827,
139.4330, 236.4025

5.2228, 7.8140,
24.1389

146.8449,
174.2658, 286.8311

2.4147, 3.9762,
15.2235

182.2065,
214.4645, 343.9650

0.8524, 1.6602,
8.8281

222.8329,

0.0000, 0.3977,

260.4134, 408.2228

4.5339

269.0895,
312.4970, 480.0229

■ 0.0000, 0.0000,
1.9226

■ 0.0000, 0.0000,
0.5070

■ 36.2214, 46.0724,
93.3700

■ 36.2214, 46.0724,
93.3700

■ 36.2186, 46.0667,
93.3700

■ 37.7363, 48.5223,
93.7640

■ 39.7763, 51.2963,
94.1919

■ 42.4945, 54.4745,
94.6621

■ 45.9823, 58.1046,
95.1789

■ 50.3165, 62.2265,
95.7461

■ 55.5643, 66.8755,
96.3668

■ 61.7858, 72.0829,
97.0441

■ 69.0360, 77.8776,
97.7804

■ 77.3656, 84.2863,
98.5784

Harmonies

Analogous

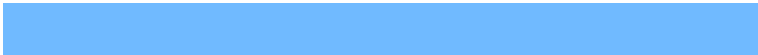
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0190, 46.0724, 70.9778



36.2214, 46.0724, 93.3700



42.8686, 46.0724, 104.1911

Triad

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



36.2214, 46.0724, 93.3700



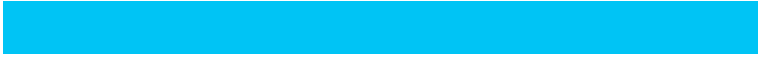
59.9462, 46.0724, 52.8710



37.6568, 46.0724, 21.3542

Complementary

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



36.2214, 46.0724, 93.3700



38.7584, 21.6157, 2.1316

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.



44.7254, 46.0724, 19.0472



36.2214, 46.0724, 93.3700



58.1423, 46.0724, 33.8793

Square

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



36.2214, 46.0724, 93.3700



57.0280, 46.0724, 76.9414



52.3466, 46.0724, 22.8943



32.7784, 46.0724, 30.4566

Rectangle

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



36.2214, 46.0724, 93.3700



48.0048, 46.0724, 101.6169



52.3466, 46.0724, 22.8943



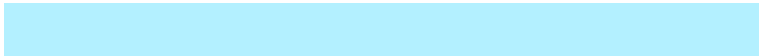
39.8303, 46.0724, 19.8956

Sweetspot

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



36.2230, 46.0740, 93.3712



67.5956, 78.8854, 106.2715



33.2094, 65.5283, 13.8104



13.8243, 16.3531, 22.6778



0.0000, 0.0000, 0.0000



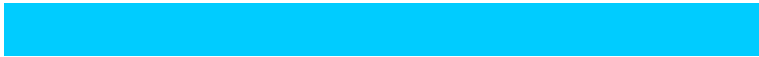
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2230, 46.0740, 93.3712



39.6394, 50.3989, 102.2465



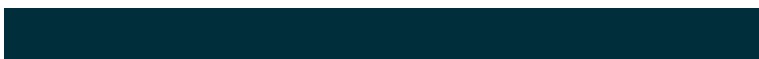
18.9016, 11.4312, 87.5974



16.6986, 18.1616, 21.1680



19.6120, 25.0178, 50.3333



1.7936, 2.3385, 4.4471

Inverse Universe

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



47.6215, 23.4000, 54.2326



52.1374, 25.6189, 59.3147



52.3190, 48.7368, 6.6518



17.0632, 16.7081, 20.0795



25.7038, 12.6249, 29.4780



2.2944, 1.1237, 2.7765

Previews

White Background



This preview shows how the XYZ color 36.2214, 46.0724, 93.3700 looks on a white background.

Color Contrast Check

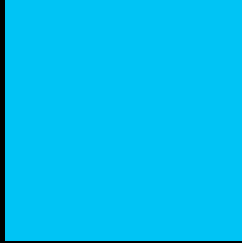
Large Text (above 18pt) WCAG AA × Fail

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 36.2214, 46.0724, 93.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

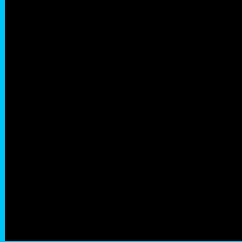
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2214, 46.0724, 93.3700

Background



This preview shows how black text looks on a background with the XYZ color 36.2214, 46.0724, 93.3700.

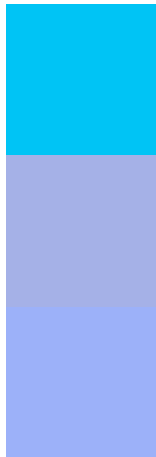


This preview shows how white text looks on a background with the XYZ color 36.2214, 46.0724,

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

36.2214, 46.0724, 93.3700

Protanopia

45.6630, 45.2131, 81.9216

Deuteranopia

46.5313, 45.3518, 95.9238



Tritanopia

32.9200, 46.2148, 71.4753

Trichromacy



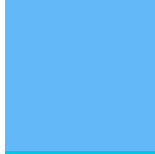
Original Color

36.2214, 46.0724, 93.3700



Protanomaly

38.1065, 43.3404, 85.7140



Deuteranomaly

39.2294, 43.7109, 95.1764



Tritanomaly

34.1509, 46.3378, 79.0957

Monochromacy



Original Color

36.2214, 46.0724, 93.3700



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.4729, 31.3601, 47.8906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2214, 46.0724, 93.3700 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 245) }
```

Border

The CSS property to change the border of an element to XYZ 36.2214, 46.0724, 93.3700 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, 245) }
```


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

```
.border{ border-color:rgb(0, 196, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2214, 46.0724, 93.3700 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, 245) }
```

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

```
.background{ background-color: rgb(0, 196,  
245) }
```

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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