

# Converting Colors

XYZ(36.4423, 46.0219, 93.3518)

Have a look what the booklet for  
XYZ(36.4423, 46.0219, 93.3518)  
contains.

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# Color

**XYZ(36.5522, 46.2430,  
93.3855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16C4F5
RGB	22, 196, 245
RGB Percent	9%, 77%, 96%
CMY	0.9136, 0.2314, 0.0392
CMYK	0.91, 0.20, 0.00, 0.04
HSL	193°, 92%, 52%
HSV	193°, 91%, 96%
XYZ	36.5522, 46.2430, 93.3855
YIQ	149.5600, -119.4330, -21.6490

# Conversions

## Conversions Part 2

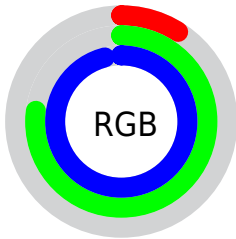
Format	Color
R <sub>Y</sub> B	22, 120, 245
Decimal	1492213
CIE Lab	73.70, -23.05, -35.36
CIE LCh	74, 42.209, 236.906
Yxy	46.2430, 0.2075, 0.2625
Android (android.graphics.Color)	4279682293 (0xFF16C4F5)
YUV	149.5600, 47.0519, -111.8701
Hunter-Lab	68.0022, -23.0574, -33.8197

# Details

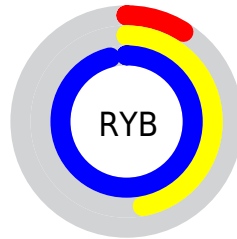
The XYZ color **36.5522, 46.2430, 93.3855** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **40.0573, 23.9818, 3.2786**, and the grayscale version is **28.6520, 30.1442, 32.8270**.

A 20% lighter version of the original color is **60.3777, 81.1836, 107.0955**, and **18.8583, 23.0201, 51.5935** is the 20% darker color. If you saturate the color by 10%, you get **35.1472, 43.9239, 93.0128**, and if you desaturate by 10%, it is **38.6096, 49.1398, 93.8371**.

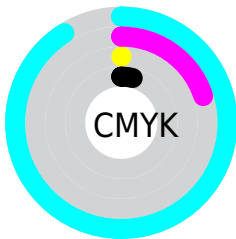
# Distribution



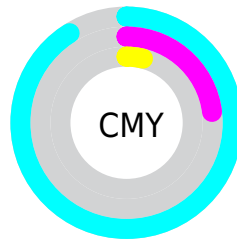
- Red (9%)
- Green (77%)
- Blue (96%)



- Red (9%)
- Yellow (47%)
- Blue (96%)



- Cyan (91%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (91%)
- Magenta (23%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5522, 46.2430, 93.3855 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 36.5522, 46.2430, 93.3855 by changing the saturation by 10% instead.



36.5522, 46.2430,  
93.3855

36.5522, 46.2430,  
93.3855

322.7570,  
371.7847, 559.8351

25.0331, 32.4376,  
70.2025

69.2018, 84.5826,  
154.0085

16.2305, 21.6960,  
51.2138

91.0630, 109.8855,  
192.2857

9.7793, 13.6337,  
36.0009

117.1023,  
139.7898, 236.4313

5.3140, 7.8663,  
24.1452

147.6850,  
174.6798, 286.8639

2.4693, 4.0095,  
15.2282

183.1764,  
214.9399, 344.0020

0.8798, 1.6789,  
8.8313

223.9420,

0.0000, 0.4099,

260.9545, 408.2642

4.5360

270.3471,  
313.1080, 480.0691

■ 0.0000, 0.0000,  
1.9238

■ 0.0000, 0.0000,  
0.5078

■ 36.5522, 46.2430,  
93.3855

■ 36.5522, 46.2430,  
93.3855

■ 35.1472, 43.9239,  
93.0128

■ 38.6096, 49.1398,  
93.8371

■ 41.3402, 52.4483,  
94.3318

■ 44.8392, 56.2189,  
94.8752

■ 49.1846, 60.4925,  
95.4711

■ 54.4446, 65.3048,  
96.1227

■ 60.6800, 70.6880,  
96.8331

■ 67.9464, 76.6711,  
97.6050

■ 76.2951, 83.2813,  
98.4409

■ 85.7738, 90.5438,  
99.3431

# Harmonies

## Analogous

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



32.3255, 46.2430, 71.4044



36.5522, 46.2430, 93.3855



43.1802, 46.2430, 103.7517

# Triad

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



36.5522, 46.2430, 93.3855



59.9496, 46.2430, 52.6090



37.7553, 46.2430, 21.8100

# Complementary

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



36.5522, 46.2430, 93.3855



40.0573, 23.9818, 3.2786

# 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.



44.7342, 46.2430, 19.3855



36.5522, 46.2430, 93.3855



58.0789, 46.2430, 33.9049

# Square

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



36.5522, 46.2430, 93.3855



57.1482, 46.2430, 76.3808



52.2899, 46.2430, 23.1089



32.9627, 46.2430, 31.0292



# Rectangle

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



36.5522, 46.2430, 93.3855



48.2727, 46.2430, 100.9891



52.2899, 46.2430, 23.1089



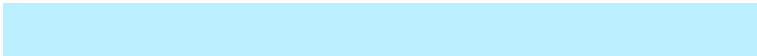
39.8982, 46.2430, 20.3109

# Sweetspot

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



36.5538, 46.2446, 93.3867



69.4578, 79.9213, 106.3733



34.1009, 65.9231, 16.7789



14.3074, 16.6401, 22.7077



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

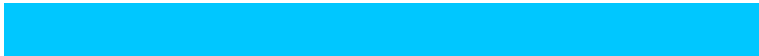


# Same Dimension

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



36.5538, 46.2446, 93.3867



38.4645, 48.0489, 101.8548



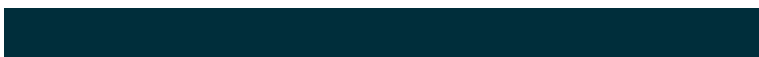
20.0784, 13.2938, 87.8949



16.6697, 18.1037, 21.1583



19.0412, 23.8763, 50.1430



1.7481, 2.2475, 4.4319



# Inverse Universe

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



47.9083, 23.9736, 54.3283



51.5443, 25.3817, 56.1916



54.4945, 52.8563, 8.0910



17.0486, 16.7023, 20.0025



25.4156, 12.5097, 27.9609

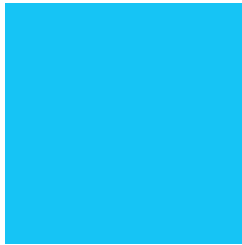


2.2714, 1.1145, 2.6555



# Previews

## White Background



This preview shows how the XYZ color 36.5522, 46.2430, 93.3855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

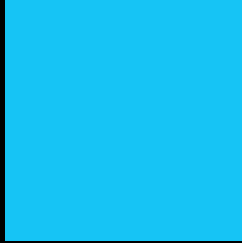
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.5522, 46.2430, 93.3855 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 36.5522, 46.2430, 93.3855**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5522, 46.2430, 93.3855.



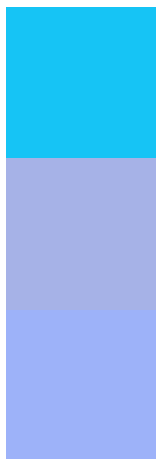
This preview shows how white text looks on a background with the XYZ color 36.5522, 46.2430,



# 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

36.5522, 46.2430, 93.3855

### Protanopia

46.0701, 45.7173, 81.9975

### Deuteranopia

46.9239, 45.8484, 95.9990



## Tritanopia

32.9200, 46.2148, 71.4753

# Trichromacy



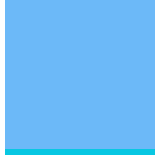
## Original Color

36.5522, 46.2430, 93.3855



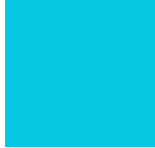
## Protanomaly

39.4287, 44.3315, 85.8356



## Deuteranomaly

40.4766, 44.6634, 95.2945



## Tritanomaly

34.2510, 46.3895, 79.1003

# Monochromacy



## Original Color

36.5522, 46.2430, 93.3855



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

28.1692, 34.0238, 50.9815

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5522, 46.2430, 93.3855 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(22, 196, 245)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 196, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 196, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5522, 46.2430, 93.3855 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(22, 196, 245) }
```



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

```
.border{ border-color:rgb(22, 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(22, 196, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 196, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 196, 245);  
box-shadow:4px 4px 4px 4px rgb(22, 196,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5522, 46.2430, 93.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 196, 245) }
```

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

```
.background{ background-color: rgb(22, 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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