

Converting Colors

XYZ(36.5422, 46.7630, 93.3264)

Have a look what the booklet for
XYZ(36.5422, 46.7630, 93.3264)
contains.

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Color

**XYZ(36.6755, 46.9807,
93.5214)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6F5
RGB	0, 198, 245
RGB Percent	0%, 78%, 96%
CMY	0.9997, 0.2235, 0.0392
CMYK	1.00, 0.19, 0.00, 0.04
HSL	192°, 100%, 48%
HSV	192°, 100%, 96%
XYZ	36.6755, 46.9807, 93.5214
YIQ	144.1560, -133.0950, -27.3590

Conversions

Conversions Part 2

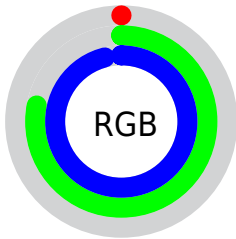
Format	Color
RYB	0, 110, 245
Decimal	50933
CIELab	74.18, -24.68, -34.64
CIELCh	74, 42.531, 234.524
Yxy	46.9807, 0.2070, 0.2652
Android (android.graphics.Color)	4278241013 (0xFF00C6F5)
YUV	144.1560, 49.7161, -126.4248
Hunter-Lab	68.5425, -24.4381, -32.9173

Details

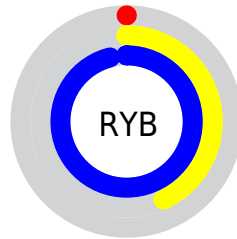
The XYZ color **36.6755, 46.9807, 93.5214** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.6763, 21.4514, 2.1041**, and the grayscale version is **26.4254, 27.8016, 30.2760**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.1586, 23.6206, 51.6936** is the 20% darker color. If you saturate the color by 10%, you get **36.6732, 46.9757, 93.5215**, and if you desaturate by 10%, it is **38.1580, 49.3659, 93.9046**.

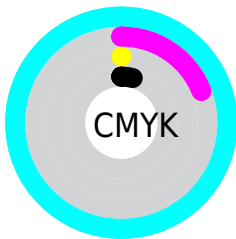
Distribution



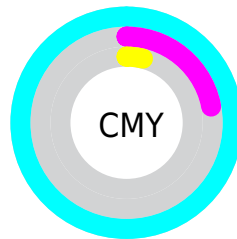
- Red (0%)
- Green (78%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6755, 46.9807, 93.5214 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 36.6755, 46.9807, 93.5214 by changing the saturation by 10% instead.


 36.6755, 46.9807,
93.5214


 36.6755, 46.9807,
93.5214


323.2835,
374.7375, 560.2835


 25.1289, 33.0204,
70.3149


 69.3905, 85.6848,
154.1982


 16.3023, 22.1421,
51.3049

 91.2896, 111.1974,
192.5056


 9.8305, 13.9613,
36.0729

 117.3702,
141.3296, 236.6837

 5.3482, 8.0938,
24.2004

 147.9976,
176.4657, 287.1510

 2.4898, 4.1550,
15.2687

 183.5374,
216.9901, 344.3261

 0.8901, 1.7606,
8.8595

224.3547,

 0.0000, 0.4625,

263.2873, 408.6275

4.5541

270.8149,
315.7416, 480.4738

■ 0.0000, 0.0000,
1.9340

■ 0.0000, 0.0000,
0.5142

■ 36.6755, 46.9807,
93.5214

■ 36.6755, 46.9807,
93.5214

■ 36.6732, 46.9757,
93.5215

■ 38.1580, 49.3659,
93.9046

■ 40.1626, 52.0694,
94.3208

■ 42.8427, 55.1715,
94.7783

■ 46.2894, 58.7196,
95.2815

■ 50.5796, 62.7538,
95.8340

■ 55.7803, 67.3091,
96.4392

■ 61.9518, 72.4168,
97.0998

■ 69.1489, 78.1057,
97.8185

■ 77.4224, 84.4024,
98.5979

Harmonies

Analogous

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



32.6015, 46.9807, 70.6317



36.6755, 46.9807, 93.5214



43.2694, 46.9807, 105.3537

Triad

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



36.6755, 46.9807, 93.5214



60.8919, 46.9807, 55.2658



38.8418, 46.9807, 21.6780

Complementary

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



36.6755, 46.9807, 93.5214



38.6763, 21.4514, 2.1041

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.



46.0673, 46.9807, 19.7121



36.6755, 46.9807, 93.5214



59.3611, 46.9807, 35.6331

Square

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



36.6755, 46.9807, 93.5214



57.6859, 46.9807, 79.5901



53.7124, 46.9807, 24.0178



33.7489, 46.9807, 30.4537

Rectangle

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



36.6755, 46.9807, 93.5214



48.4315, 46.9807, 103.5033



53.7124, 46.9807, 24.0178



41.0777, 46.9807, 20.3273

Sweetspot

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



36.6771, 46.9823, 93.5226



67.7796, 79.2534, 106.3328



33.1268, 65.4953, 13.3759



13.8687, 16.4419, 22.6926



0.0000, 0.0000, 0.0000



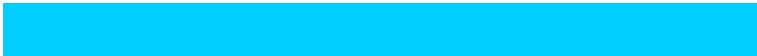
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6771, 46.9823, 93.5226



40.1379, 51.3959, 102.4126



19.1808, 11.9897, 87.6905



16.7107, 18.1856, 21.1720



19.8540, 25.5019, 50.4140



1.8128, 2.3770, 4.4535

Inverse Universe

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



47.8507, 23.4915, 55.4398



52.3890, 25.7196, 60.6397



51.5564, 47.2116, 6.3975



17.0693, 16.7106, 20.1114



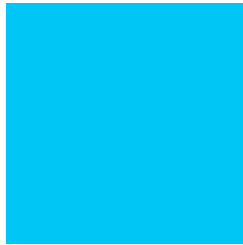
25.8259, 12.6738, 30.1213



2.3041, 1.1276, 2.8276

Previews

White Background



This preview shows how the XYZ color 36.6755, 46.9807, 93.5214 looks on a white background.

Color Contrast Check

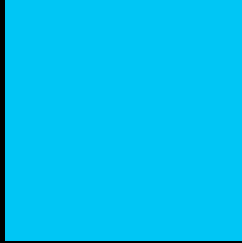
Large Text (above 18pt) WCAG AA × Fail

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 36.6755, 46.9807, 93.5214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

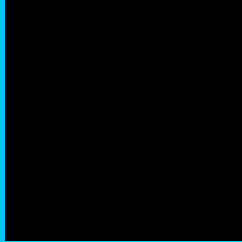
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6755, 46.9807, 93.5214

Background



This preview shows how black text looks on a background with the XYZ color 36.6755, 46.9807, 93.5214.

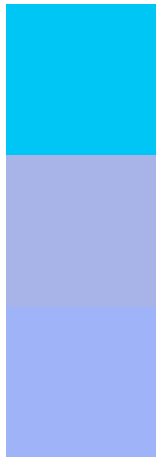


This preview shows how white text looks on a background with the XYZ color 36.6755, 46.9807,

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

36.6755, 46.9807, 93.5214

Protanopia

46.6924, 46.3346, 82.0838

Deuteranopia

47.5171, 46.4507, 96.0840



Tritanopia

33.4110, 46.7830, 72.9147

Trichromacy



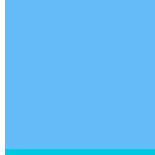
Original Color

36.6755, 46.9807, 93.5214



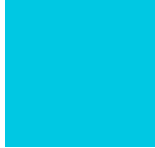
Protanomaly

38.7626, 44.2997, 85.8646



Deuteranomaly

39.8690, 44.6618, 95.3262



Tritanomaly

34.5194, 46.8546, 79.8975

Monochromacy



Original Color

36.6755, 46.9807, 93.5214



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

26.0296, 32.1624, 48.5521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6755, 46.9807, 93.5214 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, 198, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 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, 198, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 245) }
```

Border

The CSS property to change the border of an element to XYZ 36.6755, 46.9807, 93.5214 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, 198, 245) }
```


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

```
.border{ border-color:rgb(0, 198, 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, 198, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6755, 46.9807, 93.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 245) }
```

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

```
.background{ background-color: rgb(0, 198,  
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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