

Converting Colors

XYZ(37.0986, 46.8498, 95.8959)

Have a look what the booklet for
XYZ(37.0986, 46.8498, 95.8959)
contains.

XYZ(37.0755, 46.7954, 95.8853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0755, 46.7954,
95.8853)**

Conversions

Conversions Part 1

Format	Color
Hex	0DC5F8
RGB	13, 197, 248
RGB Percent	5%, 77%, 97%
CMY	0.9488, 0.2274, 0.0274
CMYK	0.95, 0.21, 0.00, 0.03
HSL	193°, 94%, 51%
HSV	193°, 95%, 97%
XYZ	37.0755, 46.7954, 95.8853
YIQ	147.7980, -126.0350, -23.1470

Conversions

Conversions Part 2

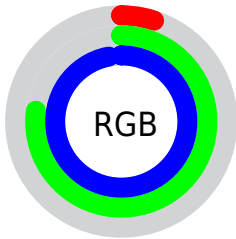
Format	Color
RYB	13, 116, 248
Decimal	902648
CIELab	74.06, -22.85, -36.43
CIELCh	74, 43.004, 237.898
Yxy	46.7954, 0.2063, 0.2603
Android (android.graphics.Color)	4279092728 (0xFF0DC5F8)
YUV	147.7980, 49.3996, -118.2178
Hunter-Lab	68.4072, -22.9686, -35.2209

Details

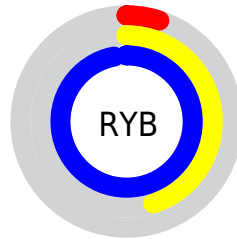
The XYZ color **37.0755, 46.7954, 95.8853** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.6215, 23.6591, 2.8084**, and the grayscale version is **27.9105, 29.3640, 31.9774**.

A 20% lighter version of the original color is **60.5620, 81.7485, 107.1948**, and **19.2264, 23.4065, 52.7948** is the 20% darker color. If you saturate the color by 10%, you get **36.2726, 45.4357, 95.6661**, and if you desaturate by 10%, it is **38.9488, 49.6091, 96.3306**.

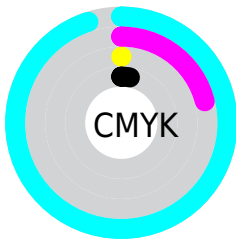
Distribution



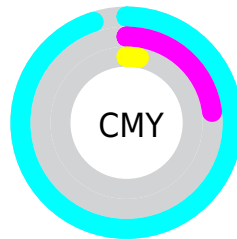
- Red (5%)
- Green (77%)
- Blue (97%)



- Red (5%)
- Yellow (45%)
- Blue (97%)



- Cyan (95%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)





- Cyan (95%)
- Magenta (23%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0755, 46.7954, 95.8853 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 37.0755, 46.7954, 95.8853 by changing the saturation by 10% instead.


 37.0755, 46.7954,
95.8853


 37.0755, 46.7954,
95.8853


324.9871,
373.9973, 568.0519


 25.4399, 32.8739,
72.2711

 70.0020, 85.4081,
157.4932


 16.5356, 22.0299,
52.8920

 92.0235, 110.8682,
196.3240


 9.9972, 13.8789,
37.3294


 118.2378,
140.9433, 241.0640

 5.4593, 8.0365,
25.1648

 149.0101,
176.0177, 292.1318

 2.5567, 4.1183,
15.9798

 184.7059,
216.4759, 349.9460

 0.9239, 1.7400,
9.3556

225.6904,

 0.0000, 0.4493,

262.7023, 414.9250

4.8739

272.3290,
315.0813, 487.4875

■ 0.0000, 0.0000,
2.1160

■ 0.0000, 0.0000,
0.6253

■ 37.0755, 46.7954,
95.8853

■ 37.0755, 46.7954,
95.8853

■ 36.2726, 45.4357,
95.6661

■ 38.9488, 49.6091,
96.3306

■ 41.4713, 52.8222,
96.8179

■ 44.7495, 56.4910,
97.3532

■ 48.8691, 60.6603,
97.9408

■ 53.9036, 65.3686,
98.5843

■ 59.9182, 70.6502,
99.2867

■ 66.9722, 76.5362,
100.0511

■ 75.1197, 83.0551,
100.8799

■ 84.4113, 90.2336,
101.7758

Harmonies

Analogous

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



32.6509, 46.7954, 73.4383



37.0755, 46.7954, 95.8853



43.9377, 46.7954, 106.0473

Triad

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



37.0755, 46.7954, 95.8853



60.9453, 46.7954, 52.5208



37.9135, 46.7954, 21.9485

Complementary

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



37.0755, 46.7954, 95.8853



40.6215, 23.6591, 2.8084

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.



45.0220, 46.7954, 19.2751



37.0755, 46.7954, 95.8853



58.8624, 46.7954, 33.6000

Square

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



37.0755, 46.7954, 95.8853



58.2113, 46.7954, 76.9235



52.8047, 46.7954, 22.8461



33.0941, 46.7954, 31.6034

Rectangle

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



37.0755, 46.7954, 95.8853



49.1769, 46.7954, 102.7879



52.8047, 46.7954, 22.8461



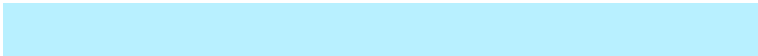
40.0877, 46.7954, 20.3512

Sweetspot

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



37.0771, 46.7970, 95.8865



68.7349, 79.3880, 106.3084



34.6590, 67.5913, 16.0646



14.0221, 16.4152, 22.6794



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.



37.0771, 46.7970, 95.8865



38.6227, 48.3654, 101.9076



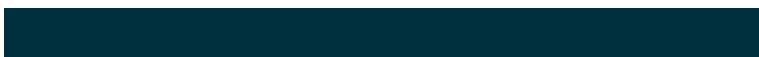
19.9516, 12.5460, 90.1780



17.4274, 18.9316, 22.1209



19.7018, 24.7592, 51.7142



1.9012, 2.4461, 4.8151

Inverse Universe

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



48.9348, 24.2774, 54.9316



51.6242, 25.4137, 56.6122



55.3971, 53.2105, 7.7337



17.8223, 17.4563, 20.9197



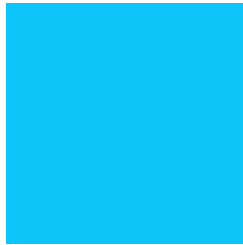
26.2366, 12.9104, 29.0179



2.4686, 1.2112, 2.8908

Previews

White Background



This preview shows how the XYZ color 37.0755, 46.7954, 95.8853 looks on a white background.

Color Contrast Check

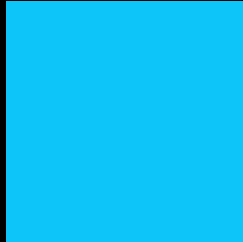
Large Text (above 18pt) WCAG AA × Fail

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 37.0755, 46.7954, 95.8853 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 37.0755, 46.7954, 95.8853

Background



This preview shows how black text looks on a background with the XYZ color 37.0755, 46.7954, 95.8853.



This preview shows how white text looks on a background with the XYZ color 37.0755, 46.7954,

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

37.0755, 46.7954, 95.8853

Protanopia

46.6973, 46.2877, 84.3151

Deuteranopia

47.4011, 46.3364, 98.5410



Tritanopia

33.2813, 46.7312, 72.2317

Trichromacy



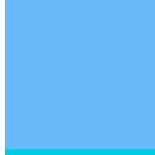
Original Color

37.0755, 46.7954, 95.8853



Protanomaly

39.5693, 44.6648, 88.1970



Deuteranomaly

40.6804, 45.0259, 97.8136



Tritanomaly

34.7205, 46.9423, 80.6296

Monochromacy



Original Color

37.0755, 46.7954, 95.8853



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

27.4335, 33.3858, 50.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0755, 46.7954, 95.8853 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(13, 197, 248)` looks like.

```
.text, #text, p{  
    color:rgb(13, 197, 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(13, 197, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 197, 248) }
```

Border

The CSS property to change the border of an element to XYZ 37.0755, 46.7954, 95.8853 is called "border". The border property can be set on classes, ids or directly on the HTML element.

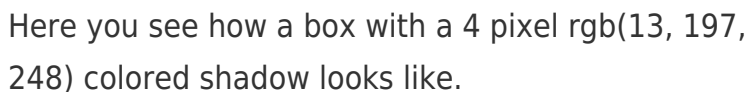
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(13, 197, 248) }
```


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

```
.border{ border-color:rgb(13, 197, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(13, 197, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(13, 197, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(13, 197, 248); box-shadow:4px 4px 4px 4px rgb(13, 197, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0755, 46.7954, 95.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 197, 248) }
```

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

```
.background{ background-color: rgb(13, 197,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor