

Converting Colors

XYZ(23.3601, 36.2338, 91.5446)

Have a look what the booklet for
XYZ(23.3601, 36.2338, 91.5446)
contains.

XYZ(33.8880, 41.6495, 91.8410)	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(33.8880, 41.6495,
91.8410)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAF4
RGB	0, 186, 244
RGB Percent	0%, 73%, 96%
CMY	0.9998, 0.2706, 0.0431
CMYK	1.00, 0.24, 0.00, 0.04
HSL	194°, 100%, 48%
HSV	194°, 100%, 96%
XYZ	33.8880, 41.6495, 91.8410
YIQ	136.9980, -129.4740, -21.3940

Conversions

Conversions Part 2

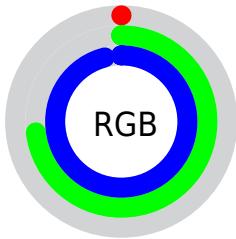
Format	Color
RYB	0, 106, 244
Decimal	47860
CIELab	70.63, -18.85, -39.61
CIELCh	71, 43.867, 244.546
Yxy	41.6495, 0.2025, 0.2488
Android (android.graphics.Color)	4278237940 (0xFF00BAF4)
YUV	136.9980, 52.7520, -120.1472
Hunter-Lab	64.5364, -19.2086, -39.1994

Details

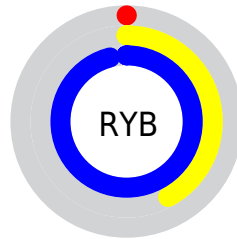
The XYZ color **33.8880, 41.6495, 91.8410** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **38.8251, 22.2658, 2.2532**, and the grayscale version is **23.6269, 24.8573, 27.0696**.

A 20% lighter version of the original color is **56.3577, 74.1038, 105.9408**, and **17.4646, 20.4059, 50.5952** is the 20% darker color. If you saturate the color by 10%, you get **33.8855, 41.6442, 91.8410**, and if you desaturate by 10%, it is **35.5237, 44.3448, 92.2759**.

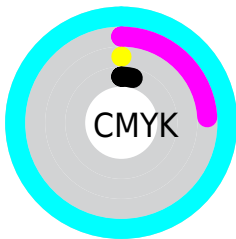
Distribution



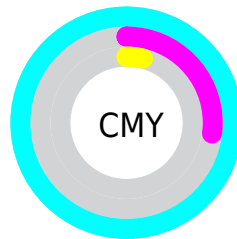
- Red (0%)
- Green (73%)
- Blue (96%)



- Red (0%)
- Yellow (42%)
- Blue (96%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (27%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8880, 41.6495, 91.8410 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 33.8880, 41.6495, 91.8410 by changing the saturation by 10% instead.


 33.8880, 41.6495,
91.8410


 33.8880, 41.6495,
91.8410


311.2271,
353.0279, 554.7254


 22.9701, 28.8269,
68.9263


 65.1049, 77.6689,
151.8508


 14.6920, 18.9499,
50.1803


 86.1346, 101.6345,
189.7829


 8.6884, 11.6341,
35.1845


 111.2655,
130.0832, 233.5580

 4.5940, 6.4951,
23.5203

 140.8631,
163.3995, 283.5944

 2.0433, 3.1484,
14.7693

 175.2927,
201.9677, 340.3109

 0.6581, 1.2097,
8.5128

214.9197,

 0.0000, 0.0696,

246.1723, 404.1258

4.3324

260.1093,
296.3975, 475.4578

■ 0.0000, 0.0000,
1.8094

■ 0.0000, 0.0000,
0.4341

■ 33.8880, 41.6495,
91.8410

■ 33.8880, 41.6495,
91.8410

■ 33.8855, 41.6442,
91.8410

■ 35.5237, 44.3448,
92.2759

■ 37.6933, 47.3891,
92.7492

■ 40.5490, 50.8626,
93.2691

■ 44.1816, 54.8127,
93.8401

■ 48.6671, 59.2795,
94.4658

■ 54.0724, 64.2982,
95.1497

■ 60.4573, 69.9005,
95.8945

■ 67.8764, 76.1152,
96.7030

■ 76.3800, 82.9692,
97.5778

Harmonies

Analogous

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



29.1710, 41.6495, 71.9908



33.8880, 41.6495, 91.8410



40.7028, 41.6495, 97.9801

Triad

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



33.8880, 41.6495, 91.8410



55.1869, 41.6495, 42.2553



32.1903, 41.6495, 19.7575

Complementary

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



33.8880, 41.6495, 91.8410



38.8251, 22.2658, 2.2532

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.



38.4910, 41.6495, 16.0415



33.8880, 41.6495, 91.8410



52.2261, 41.6495, 26.2550

Square

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



33.8880, 41.6495, 91.8410



53.5677, 41.6495, 64.7809



45.8907, 41.6495, 17.9927



28.2781, 41.6495, 30.2528

Rectangle

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



33.8880, 41.6495, 91.8410



45.6700, 41.6495, 92.2699



45.8907, 41.6495, 17.9927



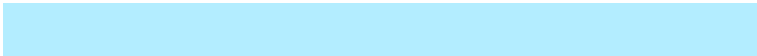
34.0689, 41.6495, 17.8486

Sweetspot

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



33.8895, 41.6509, 91.8421



66.7546, 77.2034, 105.9911



33.0899, 64.9976, 14.6703



13.6217, 15.9478, 22.6102



0.0000, 0.0000, 0.0000



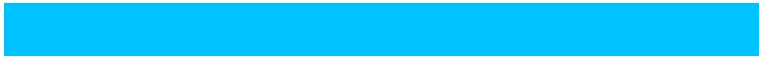
20.3446, 21.4041, 23.3091

Same Dimension

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



33.8895, 41.6509, 91.8421



37.4245, 45.9690, 101.5082



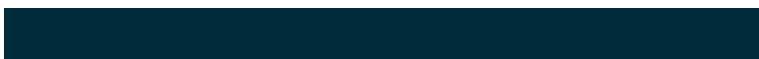
18.2269, 10.3257, 86.6212



16.6433, 18.0509, 21.1495



18.5357, 22.8651, 49.9745



1.7076, 2.1665, 4.4184

Inverse Universe

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



46.1725, 22.7799, 48.4191



51.0194, 25.1717, 53.4274



53.4192, 51.4540, 7.1179



17.0353, 16.6970, 19.9324



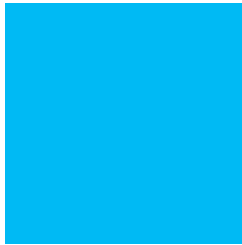
25.1605, 12.4076, 26.6171



2.2510, 1.1063, 2.5479

Previews

White Background



This preview shows how the XYZ color 33.8880, 41.6495, 91.8410 looks on a white background.

Color Contrast Check

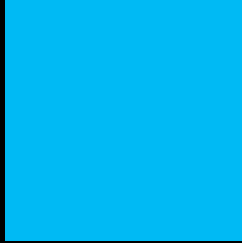
Large Text (above 18pt) WCAG AA × Fail

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 33.8880, 41.6495, 91.8410 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

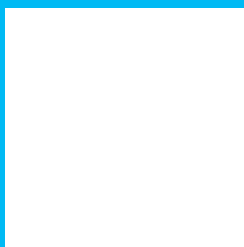
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8880, 41.6495, 91.8410

Background



This preview shows how black text looks on a background with the XYZ color 33.8880, 41.6495, 91.8410.



This preview shows how white text looks on a background with the XYZ color 33.8880, 41.6495,

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

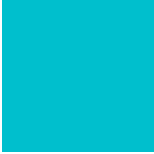
33.8880, 41.6495, 91.8410

Protanopia

41.9382, 41.0155, 81.3077

Deuteranopia

42.3025, 41.1895, 94.5277



Tritanopia

29.6502, 41.6694, 64.2379

Trichromacy



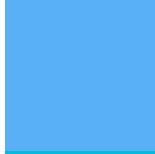
Original Color

33.8880, 41.6495, 91.8410



Protanomaly

35.5073, 39.3127, 85.0736



Deuteranomaly

36.5303, 39.9397, 93.7795



Tritanomaly

30.9838, 41.5097, 73.3970

Monochromacy



Original Color

33.8880, 41.6495, 91.8410



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

23.4883, 28.6035, 45.3574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8880, 41.6495, 91.8410 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, 186, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 244)  
}
```

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, 186, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 244) }
```

Border

The CSS property to change the border of an element to XYZ 33.8880, 41.6495, 91.8410 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, 186, 244) }
```


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

```
.border{ border-color:rgb(0, 186, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8880, 41.6495, 91.8410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 244) }
```

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

```
.background{ background-color: rgb(0, 186,  
244) }
```

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