

Converting Colors

XYZ(34.7651, 41.9999, 90.9440)

Have a look what the booklet for
XYZ(34.7651, 41.9999, 90.9440)
contains.

XYZ(34.8633, 42.1697, 91.0961)	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>	30

Color

**XYZ(34.8633, 42.1697,
91.0961)**

Conversions

Conversions Part 1

Format	Color
Hex	2EBAF3
RGB	46, 186, 243
RGB Percent	18%, 73%, 95%
CMY	0.8195, 0.2706, 0.0471
CMYK	0.81, 0.23, 0.00, 0.05
HSL	197°, 89%, 57%
HSV	197°, 81%, 95%
XYZ	34.8633, 42.1697, 91.0961
YIQ	150.6380, -101.7370, -11.9530

Conversions

Conversions Part 2

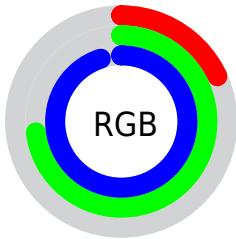
Format	Color
R _Y B	46, 128, 243
Decimal	3062515
CIE Lab	70.99, -17.03, -38.48
CIE LCh	71, 42.078, 246.123
Yxy	42.1697, 0.2074, 0.2508
Android (android.graphics.Color)	4281252595 (0xFF2EBAF3)
YUV	150.6380, 45.5345, -91.7675
Hunter-Lab	64.9382, -17.8108, -37.7160

Details

The XYZ color **34.8633, 42.1697, 91.0961** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **42.3081, 28.9565, 5.9461**, and the grayscale version is **29.1068, 30.6226, 33.3480**.

A 20% lighter version of the original color is **58.1143, 75.0093, 106.0230**, and **17.3572, 20.3629, 50.0293** is the 20% darker color. If you saturate the color by 10%, you get **32.6168, 38.8670, 90.5779**, and if you desaturate by 10%, it is **37.8042, 45.9400, 91.6697**.

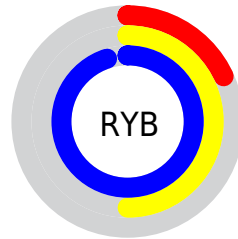
Distribution



Red (18%)

Green (73%)

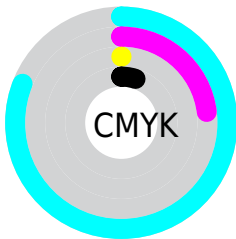
Blue (95%)



Red (18%)

Yellow (50%)

Blue (95%)

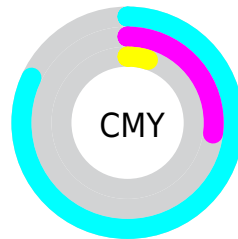


Cyan (81%)

Magenta (23%)

Yellow (0%)

Black (5%)



Cyan (82%)

Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8633, 42.1697, 91.0961 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 34.8633, 42.1697, 91.0961 by changing the saturation by 10% instead.

■ 34.8633, 42.1697,
91.0961

■ 34.8633, 42.1697,
91.0961

315.4831,
355.1859, 552.2518

■ 23.7236, 29.2342,
68.3113

■ 66.6094, 78.4564,
150.8088

■ 15.2523, 19.2581,
49.6827

■ 87.9464, 102.5764,
188.5737

■ 9.0841, 11.8569,
34.7920

■ 113.4134,
131.1933, 232.1691

■ 4.8537, 6.6463,
23.2204

■ 143.3755,
164.6916, 282.0135

■ 2.1955, 3.2419,
14.5495

■ 178.1982,
203.4556, 338.5254

■ 0.7404, 1.2593,
8.3607

218.2468,

■ 0.0000, 0.1094,

247.8697, 402.1235

4.2356

263.8866,
298.3184, 473.2261

■ 0.0000, 0.0000,
1.7554

■ 0.0000, 0.0000,
0.3983

■ 34.8633, 42.1697,
91.0961

■ 34.8633, 42.1697,
91.0961

■ 32.6168, 38.8670,
90.5779

■ 37.8042, 45.9400,
91.6697

■ 31.0612, 36.2379,
90.1524

■ 41.5271, 50.2225,
92.3001

■ 46.1109, 55.0599,
92.9922

■ 51.6227, 60.4885,
93.7495

■ 58.1230, 66.5407,
94.5751

■ 65.6666, 73.2463,
95.4718

■ 74.3045, 80.6327,
96.4423

■ 84.0838, 88.7259,
97.4890

■ 91.3819, 95.6594,
98.4426

Harmonies

Analogous

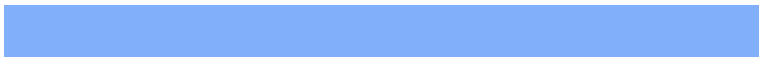
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1393, 42.1697, 72.6745



34.8633, 42.1697, 91.0961



41.5377, 42.1697, 96.0577

Triad

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



34.8633, 42.1697, 91.0961



55.0511, 42.1697, 41.9156



32.6406, 42.1697, 21.2389

Complementary

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



34.8633, 42.1697, 91.0961



42.3081, 28.9565, 5.9461

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.



38.6588, 42.1697, 17.2123



34.8633, 42.1697, 91.0961



51.9990, 42.1697, 26.6932

Square

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



34.8633, 42.1697, 91.0961



53.7300, 42.1697, 63.4024



45.7950, 42.1697, 18.8676



28.9646, 42.1697, 31.9818

Rectangle

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



34.8633, 42.1697, 91.0961



46.3210, 42.1697, 90.0889



45.7950, 42.1697, 18.8676



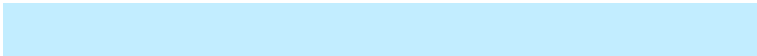
34.4283, 42.1697, 19.2237

Sweetspot

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



34.8648, 42.1712, 91.0972



70.6154, 79.3999, 106.2116



35.5684, 65.6391, 23.3214



14.4693, 16.4217, 22.6570



0.0000, 0.0000, 0.0000



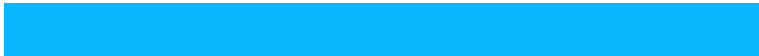
20.3446, 21.4041, 23.3091

Same Dimension

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



34.8648, 42.1712, 91.0972



35.1673, 41.3125, 100.7283



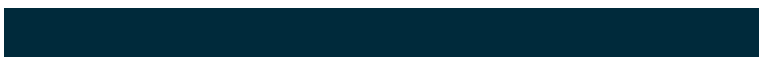
20.8528, 14.1472, 86.4265



16.5680, 17.9003, 21.1244



17.1689, 20.1316, 49.5189



1.5970, 1.9454, 4.3816

Inverse Universe

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



46.8034, 24.5557, 48.7285



49.9147, 24.8627, 47.2010



58.1849, 60.7100, 11.2383



16.9973, 16.6818, 19.7322



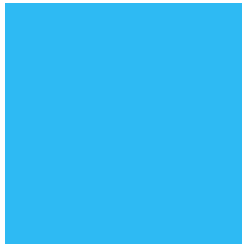
24.4706, 12.1317, 22.9842



2.1951, 1.0840, 2.2540

Previews

White Background



This preview shows how the XYZ color 34.8633, 42.1697, 91.0961 looks on a white background.

Color Contrast Check

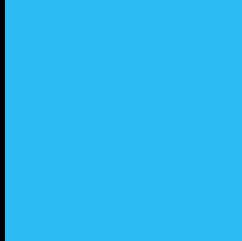
Large Text (above 18pt) WCAG AA × Fail

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 34.8633, 42.1697, 91.0961 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

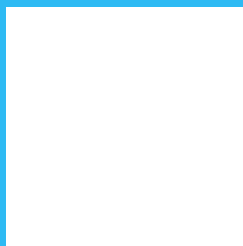
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8633, 42.1697, 91.0961

Background



This preview shows how black text looks on a background with the XYZ color 34.8633, 42.1697, 91.0961.



This preview shows how white text looks on a background with the XYZ color 34.8633, 42.1697,

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

34.8633, 42.1697, 91.0961

Protanopia

42.3161, 41.4875, 81.3789

Deuteranopia

42.8530, 41.7705, 93.7996

Trichromacy



Original Color

34.8633, 42.1697, 91.0961

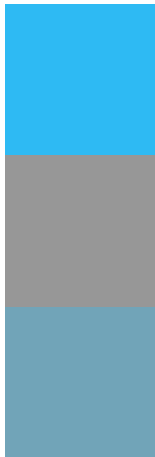
Protanomaly

37.5910, 40.6937, 84.4707

Deuteranomaly

38.3442, 40.8926, 93.0609

Monochromacy



Original Color

34.8633, 42.1697, 91.0961

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.7372, 33.5223, 50.3032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8633, 42.1697, 91.0961 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(46, 186, 243)` looks like.

```
.text, #text, p{  
    color:rgb(46, 186, 243)  
}
```

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(46, 186, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 186, 243) }
```

Border

The CSS property to change the border of an element to XYZ 34.8633, 42.1697, 91.0961 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(46, 186, 243) }
```

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

```
.border{ border-color:rgb(46, 186, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 186, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 186, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 186, 243);  
box-shadow:4px 4px 4px 4px rgb(46, 186,  
243) }
```


Background

The CSS property to change the background color of an element to XYZ 34.8633, 42.1697, 91.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 186, 243) }
```

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

```
.background{ background-color: rgb(46, 186,  
243) }
```

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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