

Converting Colors

XYZ(36.2976, 43.0641, 98.4958)

Have a look what the booklet for
XYZ(36.2976, 43.0641, 98.4958)
contains.

XYZ(36.2959, 43.0612, 98.4941)	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(36.2959, 43.0612,
98.4941)**

Conversions

Conversions Part 1

Format	Color
Hex	2ABBFC
RGB	42, 187, 252
RGB Percent	16%, 73%, 99%
CMY	0.8352, 0.2667, 0.0118
CMYK	0.83, 0.26, 0.00, 0.01
HSL	199°, 97%, 58%
HSV	199°, 83%, 99%
XYZ	36.2959, 43.0612, 98.4941
YIQ	151.0550, -107.2850, -10.5250

Conversions

Conversions Part 2

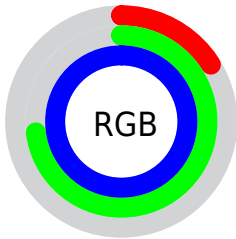
Format	Color
R _{YB}	42, 128, 252
Decimal	2800636
CIE Lab	71.60, -14.82, -42.40
CIE LCh	72, 44.912, 250.734
Yxy	43.0612, 0.2041, 0.2421
Android (android.graphics.Color)	4280990716 (0xFF2ABBFC)
YUV	151.0550, 49.7659, -95.6412
Hunter-Lab	65.6210, -16.1060, -43.0568

Details

The XYZ color **36.2959, 43.0612, 98.4941** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **45.8236, 31.3830, 5.8350**, and the grayscale version is **29.2691, 30.7934, 33.5340**.

A 20% lighter version of the original color is **58.2690, 75.5321, 106.1158**, and **18.3754, 20.9903, 54.7128** is the 20% darker color. If you saturate the color by 10%, you get **33.9594, 39.4669, 97.9244**, and if you desaturate by 10%, it is **39.3719, 47.1715, 99.1262**.

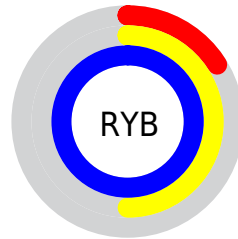
Distribution



Red (16%)

Green (73%)

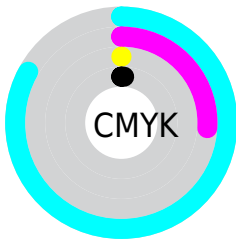
Blue (99%)



Red (16%)

Yellow (50%)

Blue (99%)

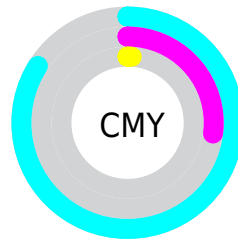


Cyan (83%)

Magenta (26%)

Yellow (0%)

Black (1%)



Cyan (84%)

Magenta (27%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2959, 43.0612, 98.4941 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 36.2959, 43.0612, 98.4941 by changing the saturation by 10% instead.

36.2959, 43.0612,
98.4941

36.2959, 43.0612,
98.4941

321.6607,
358.8634, 576.5591

24.8340, 29.9331,
74.4336

68.8094, 79.8032,
161.1200

16.0815, 19.7878,
54.6501

90.5917, 104.1859,
200.5225

9.6730, 12.2409,
38.7249

116.5449,
133.0890, 245.8760

5.2433, 6.9080,
26.2396

147.0342,
166.8968, 297.5992

2.4269, 3.4046,
16.7756

182.4252,
205.9938, 356.1106

0.8586, 1.3464,
9.9144

223.0830,

0.0000, 0.1767,

250.7643, 421.8287

5.2374

269.3730,
301.5927, 495.1720

■ 0.0000, 0.0000,
2.3260

■ 0.0000, 0.0000,
0.7457

■ 36.2959, 43.0612,
98.4941

■ 36.2959, 43.0612,
98.4941

■ 33.9594, 39.4669,
97.9244

■ 39.3719, 47.1715,
99.1262

■ 32.7057, 37.2981,
97.5718

■ 43.2894, 51.8504,
99.8229

■ 48.1376, 57.1467,
100.5896

■ 53.9927, 63.1015,
101.4304

■ 60.9223, 69.7517,
102.3488

■ 68.9881, 77.1308,
103.3480

■ 78.2467, 85.2700,
104.4311

■ 88.7508, 94.1982,
105.6007

■ 94.5709, 99.8083,
106.3769

Harmonies

Analogous

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



30.8288, 43.0612, 79.8206



36.2959, 43.0612, 98.4941



43.7093, 43.0612, 101.1598

Triad

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



36.2959, 43.0612, 98.4941



57.0205, 43.0612, 39.5194



32.1184, 43.0612, 21.7964

Complementary

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



36.2959, 43.0612, 98.4941



45.8236, 31.3830, 5.8350

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.



38.2680, 43.0612, 16.6275



36.2959, 43.0612, 98.4941



53.0231, 43.0612, 24.5453

Square

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



36.2959, 43.0612, 98.4941



56.3219, 43.0612, 62.0865



45.9391, 43.0612, 17.4477



28.6312, 43.0612, 34.3946

Rectangle

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



36.2959, 43.0612, 98.4941



48.8554, 43.0612, 92.8133



45.9391, 43.0612, 17.4477



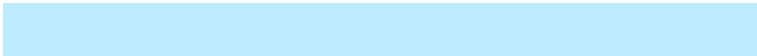
33.9089, 43.0612, 19.3396

Sweetspot

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



36.2974, 43.0627, 98.4952



69.3834, 77.8980, 105.9867



38.3172, 71.1345, 25.0799



14.2135, 16.0941, 22.6073



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.



36.2974, 43.0627, 98.4952



33.5880, 38.2959, 100.2293



21.6985, 13.8647, 93.6289



17.2860, 18.6488, 22.0738



17.1737, 19.7030, 50.8715



1.6848, 2.0132, 4.7430

Inverse Universe

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



49.9439, 25.9412, 49.3898



49.0829, 24.3971, 43.2299



63.6116, 66.9589, 11.7644



17.7509, 17.4277, 20.5439



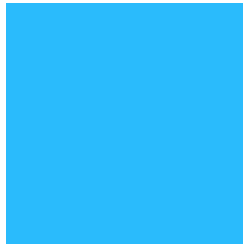
24.9605, 12.3999, 22.2983



2.3593, 1.1675, 2.3155

Previews

White Background



This preview shows how the XYZ color 36.2959, 43.0612, 98.4941 looks on a white background.

Color Contrast Check

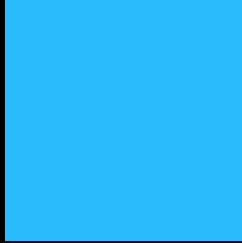
Large Text (above 18pt) WCAG AA × Fail

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 36.2959, 43.0612, 98.4941 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

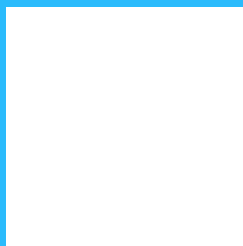
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2959, 43.0612, 98.4941

Background



This preview shows how black text looks on a background with the XYZ color 36.2959, 43.0612, 98.4941.

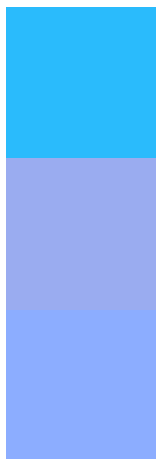


This preview shows how white text looks on a background with the XYZ color 36.2959, 43.0612,

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

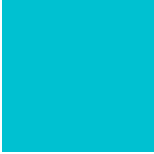
36.2959, 43.0612, 98.4941

Protanopia

43.8071, 42.6663, 88.3646

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

30.5786, 42.7434, 66.9602

Trichromacy



Original Color

36.2959, 43.0612, 98.4941

Protanomaly

38.8613, 41.4866, 91.5475

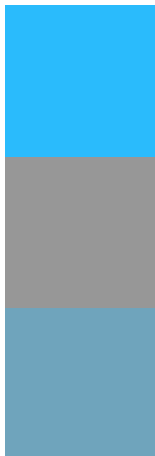
Deuteranomaly

39.5187, 41.9396, 99.7782

Tritanomaly

32.4184, 42.7994, 77.7866

Monochromacy



Original Color

36.2959, 43.0612, 98.4941

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.9081, 33.5613, 52.5313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2959, 43.0612, 98.4941 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(42, 187, 252)` looks like.

```
.text, #text, p{  
    color:rgb(42, 187, 252)  
}
```

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(42, 187, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 187, 252) }
```

Border

The CSS property to change the border of an element to XYZ 36.2959, 43.0612, 98.4941 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(42, 187, 252) }
```


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

```
.border{ border-color:rgb(42, 187, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 187, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 187, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 187, 252);  
box-shadow:4px 4px 4px 4px rgb(42, 187,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2959, 43.0612, 98.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 187, 252) }
```

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

```
.background{ background-color: rgb(42, 187,  
252) }
```

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