

Converting Colors

XYZ(34.5537, 42.9149, 86.4812)

Have a look what the booklet for
XYZ(34.5537, 42.9149, 86.4812)
contains.

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Color

**XYZ(34.6559, 43.1140,
86.6160)**

Conversions

Conversions Part 1

Format	Color
Hex	2FBDED
RGB	47, 189, 237
RGB Percent	18%, 74%, 93%
CMY	0.8156, 0.2588, 0.0706
CMYK	0.80, 0.20, 0.00, 0.07
HSL	195°, 84%, 56%
HSV	195°, 80%, 93%
XYZ	34.6559, 43.1140, 86.6160
YIQ	152.0140, -100.0400, -15.1760

Conversions

Conversions Part 2

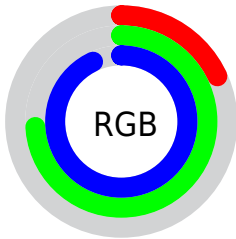
Format	Color
R_{YB}	47, 128, 237
Decimal	3128813
CIE Lab	71.63, -20.52, -34.22
CIE LCh	72, 39.905, 239.053
Yxy	43.1140, 0.2108, 0.2623
Android (android.graphics.Color)	4281318893 (0xFF2FBDED)
YUV	152.0140, 41.8981, -92.0973
Hunter-Lab	65.6613, -20.6952, -32.2486

Details

The XYZ color **34.6559, 43.1140, 86.6160** 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 **39.5323, 26.3970, 5.7025**, and the grayscale version is **29.7095, 31.2567, 34.0385**.

A 20% lighter version of the original color is **58.8708, 76.7358, 106.3164**, and **17.1446, 20.9445, 46.8551** is the 20% darker color. If you saturate the color by 10%, you get **32.5834, 40.1735, 86.1585**, and if you desaturate by 10%, it is **37.3769, 46.4692, 87.1211**.

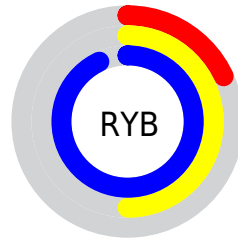
Distribution



Red (18%)

Green (74%)

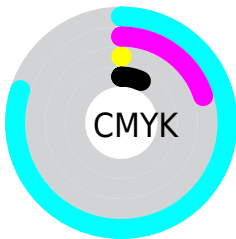
Blue (93%)



Red (18%)

Yellow (50%)

Blue (93%)

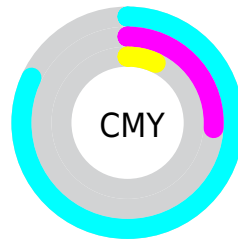


Cyan (80%)

Magenta (20%)

Yellow (0%)

Black (7%)



Cyan (82%)

Magenta (26%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6559, 43.1140, 86.6160 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 34.6559, 43.1140, 86.6160 by changing the saturation by 10% instead.

■ 34.6559, 43.1140,
86.6160

■ 34.6559, 43.1140,
86.6160

314.5816,
359.0804, 537.2436

■ 23.5632, 29.9746,
64.6197

■ 66.2899, 79.8829,
144.5229

■ 15.1329, 19.8193,
46.7034

■ 87.5619, 104.2811,
181.2706

■ 8.9996, 12.2638,
32.4485

■ 112.9577,
133.2010, 223.7725

■ 4.7981, 6.9236,
21.4367

■ 142.8427,
167.0271, 272.4471

■ 2.1628, 3.4143,
13.2492

■ 177.5823,
206.1437, 327.7130

■ 0.7230, 1.3517,
7.4677

217.5417,

■ 0.0000, 0.1807,

250.9351, 389.9886

3.6734

263.0863,
301.7859, 459.6927

■ 0.0000, 0.0000,
1.4479

■ 0.0000, 0.0000,
0.1787

■ 34.6559, 43.1140,
86.6160

■ 34.6559, 43.1140,
86.6160

■ 32.5834, 40.1735,
86.1585

■ 37.3769, 46.4692,
87.1211

■ 31.0330, 37.6080,
85.7450

■ 40.8266, 50.2792,
87.6747

■ 45.0776, 54.5831,
88.2813

■ 50.1925, 59.4140,
88.9442

■ 56.2269, 64.8015,
89.6660

■ 63.2320, 70.7728,
90.4494

■ 71.2550, 77.3530,
91.2967

■ 80.3396, 84.5658,
92.2101

■ 88.5444, 91.4108,
93.0988

Harmonies

Analogous

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



30.6413, 43.1140, 67.4222



34.6559, 43.1140, 86.6160



40.7642, 43.1140, 94.8204

Triad

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



34.6559, 43.1140, 86.6160



55.3845, 43.1140, 47.5616



34.9896, 43.1140, 21.3577

Complementary

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



34.6559, 43.1140, 86.6160



39.5323, 26.3970, 5.7025

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.



41.1937, 43.1140, 18.7099



34.6559, 43.1140, 86.6160



53.4129, 43.1140, 31.0987

Square

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



34.6559, 43.1140, 86.6160



53.1571, 43.1140, 68.7875



48.0269, 43.1140, 21.7236



30.8186, 43.1140, 30.2962

Rectangle

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



34.6559, 43.1140, 86.6160



45.3661, 43.1140, 91.6096



48.0269, 43.1140, 21.7236



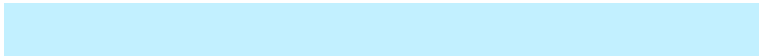
36.8835, 43.1140, 19.8324

Sweetspot

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



34.6574, 43.1155, 86.6171



71.2712, 80.7115, 106.4302



33.5009, 61.9911, 20.9103



14.6283, 16.7397, 22.7100



0.0000, 0.0000, 0.0000



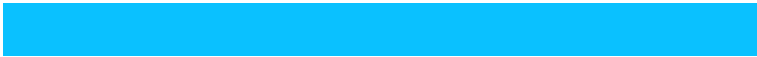
20.3446, 21.4041, 23.3091

Same Dimension

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



34.6574, 43.1155, 86.6171



37.2815, 45.4935, 101.4239



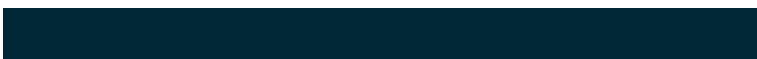
20.5076, 14.8159, 81.9005



15.1768, 16.4400, 19.2956



17.0528, 20.7526, 46.8498



1.4148, 1.7811, 3.7041

Inverse Universe

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



45.1281, 23.7132, 50.3442



50.9934, 25.3385, 52.7448



53.7452, 54.8228, 10.4401



15.5428, 15.2450, 18.1436



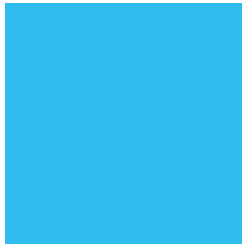
23.4628, 11.5878, 24.0360



1.8806, 0.9252, 2.0888

Previews

White Background



This preview shows how the XYZ color 34.6559, 43.1140, 86.6160 looks on a white background.

Color Contrast Check

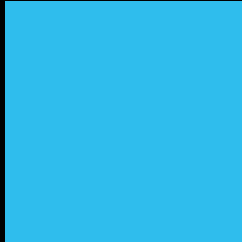
Large Text (above 18pt) WCAG AA × Fail

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 34.6559, 43.1140, 86.6160 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

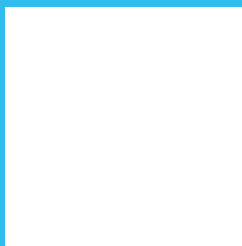
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6559, 43.1140, 86.6160

Background



This preview shows how black text looks on a background with the XYZ color 34.6559, 43.1140, 86.6160.



This preview shows how white text looks on a background with the XYZ color 34.6559, 43.1140,

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

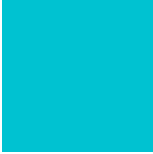
34.6559, 43.1140, 86.6160

Protanopia

42.7043, 42.3604, 76.4466

Deuteranopia

43.5786, 42.5313, 89.1316



Tritanopia

30.8004, 43.1870, 67.0342

Trichromacy



Original Color

34.6559, 43.1140, 86.6160

Protanomaly

37.6710, 41.4199, 80.1381

Deuteranomaly

38.5880, 41.7095, 88.4550

Tritanomaly

31.8670, 42.9329, 73.6251

Monochromacy



Original Color

34.6559, 43.1140, 86.6160

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.9418, 33.9066, 49.8190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6559, 43.1140, 86.6160 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(47, 189, 237)` looks like.

```
.text, #text, p{  
    color:rgb(47, 189, 237)  
}
```

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(47, 189, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 189, 237) }
```

Border

The CSS property to change the border of an element to XYZ 34.6559, 43.1140, 86.6160 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(47, 189, 237) }
```


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

```
.border{ border-color:rgb(47, 189, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 189, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 189, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 189, 237);  
box-shadow:4px 4px 4px 4px rgb(47, 189,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6559, 43.1140, 86.6160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 189, 237) }
```

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

```
.background{ background-color: rgb(47, 189,  
237) }
```

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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