

Converting Colors

XYZ(23.5049, 40.9149, 78.0795)

Have a look what the booklet for
XYZ(23.5049, 40.9149, 78.0795)
contains.

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Color

**XYZ(34.0140, 46.2831,
78.3750)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7E1
RGB	0, 199, 225
RGB Percent	0%, 78%, 88%
CMY	0.9998, 0.2196, 0.1176
CMYK	1.00, 0.12, 0.00, 0.12
HSL	187°, 100%, 44%
HSV	187°, 100%, 88%
XYZ	34.0140, 46.2831, 78.3750
YIQ	142.4630, -126.9500, -34.1020

Conversions

Conversions Part 2

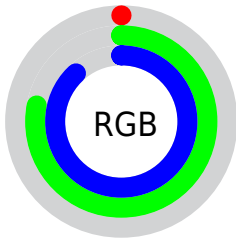
Format	Color
RYB	0, 106, 225
Decimal	51169
CIELab	73.73, -31.78, -24.54
CIELCh	74, 40.147, 217.672
Yxy	46.2831, 0.2144, 0.2917
Android (android.graphics.Color)	4278241249 (0xFF00C7E1)
YUV	142.4630, 40.6907, -124.9401
Hunter-Lab	68.0317, -29.8103, -20.6821

Details

The XYZ color **34.0140, 46.2831, 78.3750** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **31.4226, 16.7490, 1.5782**, and the grayscale version is **25.7811, 27.1238, 29.5378**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.3811, 23.1531, 41.5831** is the 20% darker color. If you saturate the color by 10%, you get **34.0134, 46.2816, 78.3756**, and if you desaturate by 10%, it is **34.9615, 47.6683, 78.5933**.

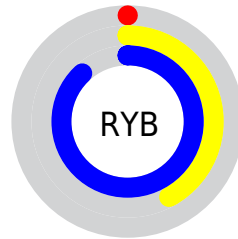
Distribution



Red (0%)

Green (78%)

Blue (88%)



Red (0%)

Yellow (42%)

Blue (88%)

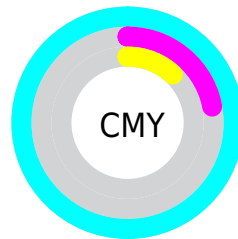


Cyan (100%)

Magenta (12%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (22%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0140, 46.2831, 78.3750 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 34.0140, 46.2831, 78.3750 by changing the saturation by 10% instead.

34.0140, 46.2831,
78.3750

34.0140, 46.2831,
78.3750

311.7793,
371.9456, 509.0011

23.0673, 32.4693,
57.8638

65.2996, 84.6425,
132.8693

14.7642, 21.7202,
41.2852

86.3692, 109.9569,
167.6895

8.7393, 13.6514,
28.2206

111.5438,
139.8736, 208.1164

4.6273, 7.8786,
18.2515

141.1887,
174.7770, 254.5686

2.0628, 4.0174,
10.9594

175.6694,
215.0515, 307.4646

0.6688, 1.6833,
5.9257

215.3512,

0.0000, 0.4128,

261.0816, 367.2230

2.7319

260.5993,
313.2515, 434.2623

■ 0.0000, 0.0000,
0.9594

■ 0.0000, 0.0000,
0.0000

■ 34.0140, 46.2831,
78.3750

■ 34.0140, 46.2831,
78.3750

■ 34.0134, 46.2816,
78.3756

■ 34.9615, 47.6683,
78.5933

■ 36.3166, 49.2780,
78.8326

■ 38.2091, 51.1801,
79.1000

■ 40.7123, 53.4124,
79.3989

■ 43.8883, 56.0070,
79.7324

■ 47.7912, 58.9919,
80.1028

■ 52.4698, 62.3923,
80.5126

■ 57.9682, 66.2310,
80.9637

■ 64.3277, 70.5293,
81.4582

Harmonies

Analogous

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



31.7630, 46.2831, 55.8155



34.0140, 46.2831, 78.3750



38.9888, 46.2831, 96.0951

Triad

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



34.0140, 46.2831, 78.3750



57.9184, 46.2831, 66.8174



42.1871, 46.2831, 20.6549

Complementary

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



34.0140, 46.2831, 78.3750



31.4226, 16.7490, 1.5782

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.



49.4031, 46.2831, 22.1175



34.0140, 46.2831, 78.3750



59.0118, 46.2831, 45.3362

Square

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



34.0140, 46.2831, 78.3750



52.9051, 46.2831, 88.2641



55.7492, 46.2831, 30.0191



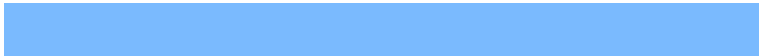
36.1385, 46.2831, 25.2823

Rectangle

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



34.0140, 46.2831, 78.3750



43.4365, 46.2831, 100.6384



55.7492, 46.2831, 30.0191



44.5496, 46.2831, 20.4795

Sweetspot

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



34.0155, 46.2848, 78.3761



69.5290, 82.7522, 106.9159



27.0764, 53.9115, 9.7660



14.2919, 17.2884, 22.8337



0.0000, 0.0000, 0.0000



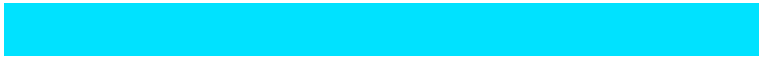
20.3446, 21.4041, 23.3091

Same Dimension

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



34.0155, 46.2848, 78.3761



45.1182, 61.3564, 104.0727



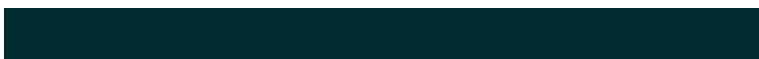
17.2503, 12.7544, 72.7878



13.9743, 15.2876, 17.6020



19.6554, 26.7803, 45.1815



1.4013, 1.9340, 3.1447

Inverse Universe

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



41.3614, 20.1326, 55.7405



54.9028, 26.7251, 73.8773



39.7191, 33.3420, 4.3437



14.2232, 13.9069, 16.9457



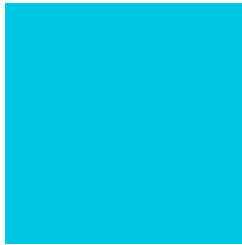
23.8613, 11.6115, 32.2652



1.6736, 0.8127, 2.3398

Previews

White Background



This preview shows how the XYZ color 34.0140, 46.2831, 78.3750 looks on a white background.

Color Contrast Check

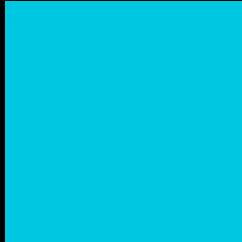
Large Text (above 18pt) WCAG AA × Fail

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 34.0140, 46.2831, 78.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

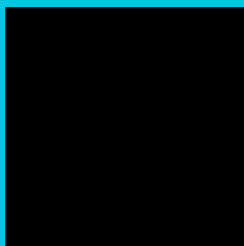
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

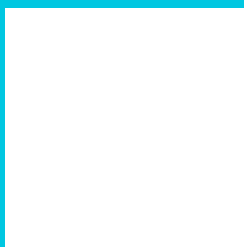
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0140, 46.2831, 78.3750

Background



This preview shows how black text looks on a background with the XYZ color 34.0140, 46.2831, 78.3750.



This preview shows how white text looks on a background with the XYZ color 34.0140, 46.2831,

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

34.0140, 46.2831, 78.3750

Protanopia

45.1338, 45.5426, 68.0398

Deuteranopia

46.7997, 45.8154, 81.2396



Tritanopia

33.0489, 46.2664, 72.1542

Trichromacy



Original Color

34.0140, 46.2831, 78.3750



Protanomaly

36.5091, 43.4552, 71.4292



Deuteranomaly

37.6592, 43.5506, 79.8200



Tritanomaly

33.4405, 46.4230, 74.2159

Monochromacy



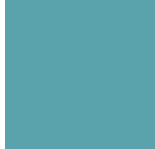
Original Color

34.0140, 46.2831, 78.3750



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.7600, 31.3466, 43.7752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0140, 46.2831, 78.3750 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, 199, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 225)  
}
```

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, 199, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 225) }
```

Border

The CSS property to change the border of an element to XYZ 34.0140, 46.2831, 78.3750 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, 199, 225) }
```


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

```
.border{ border-color:rgb(0, 199, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0140, 46.2831, 78.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 225) }
```

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

```
.background{ background-color: rgb(0, 199,  
225) }
```

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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