

Converting Colors

XYZ(31.9452, 41.1018, 75.0803)

Have a look what the booklet for
XYZ(31.9452, 41.1018, 75.0803)
contains.

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Color

**XYZ(31.9626, 41.0201,
75.3403)**

Conversions

Conversions Part 1

Format	Color
Hex	30BADE
RGB	48, 186, 222
RGB Percent	19%, 73%, 87%
CMY	0.8117, 0.2706, 0.1294
CMYK	0.78, 0.16, 0.00, 0.13
HSL	192°, 72%, 53%
HSV	192°, 78%, 87%
XYZ	31.9626, 41.0201, 75.3403
YIQ	148.8420, -93.8040, -18.0600

Conversions

Conversions Part 2

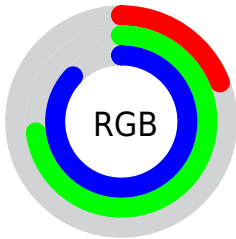
Format	Color
R_{YB}	48, 125, 222
Decimal	3193566
CIE _{Lab}	70.19, -23.81, -28.29
CIE _{LCh}	70, 36.978, 229.919
Yxy	41.0201, 0.2155, 0.2766
Android (android.graphics.Color)	4281383646 (0xFF30BADE)
YUV	148.8420, 36.0669, -88.4384
Hunter-Lab	64.0469, -23.0018, -24.9117

Details

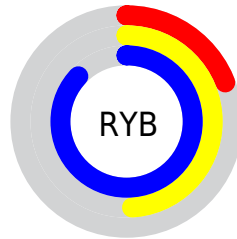
The XYZ color **31.9626, 41.0201, 75.3403** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **33.8296, 22.0858, 5.2777**, and the grayscale version is **28.3844, 29.8626, 32.5203**.

A 20% lighter version of the original color is **57.6873, 74.7892, 106.0031**, and **15.3626, 19.5651, 39.5260** is the 20% darker color. If you saturate the color by 10%, you get **30.2134, 38.7056, 74.9865**, and if you desaturate by 10%, it is **34.2690, 43.6696, 75.7309**.

Distribution



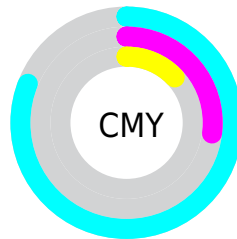
- Red (19%)
- Green (73%)
- Blue (87%)



- Red (19%)
- Yellow (49%)
- Blue (87%)



- Cyan (78%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (81%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9626, 41.0201, 75.3403 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 31.9626, 41.0201, 75.3403 by changing the saturation by 10% instead.

■ 31.9626, 41.0201,
75.3403

■ 31.9626, 41.0201,
75.3403

302.6972,
350.4046, 498.3730

■ 21.4883, 28.3348,
55.3883

■ 62.1180, 76.7144,
128.5455

■ 13.5959, 18.5782,
39.3120

■ 82.5299, 100.4922,
162.6358

■ 7.9200, 11.3659,
26.6928

■ 106.9851,
128.7363, 202.2759

■ 4.0952, 6.3135,
17.1123

■ 135.8489,
161.8310, 247.8844

■ 1.7561, 3.0366,
10.1518

■ 169.4866,
200.1608, 299.8798

■ 0.4910, 1.1509,
5.3928

208.2637,

■ 0.0000, 0.0210,

244.1101, 358.6807

2.4168

252.5454,
294.0632, 424.7056

■ 0.0000, 0.0000,
0.7956

■ 0.0000, 0.0000,
0.0000

■ 31.9626, 41.0201,
75.3403

■ 31.9626, 41.0201,
75.3403

■ 30.2134, 38.7056,
74.9865

■ 34.2690, 43.6696,
75.7309

■ 28.9160, 36.6689,
74.6618

■ 37.1975, 46.6857,
76.1588

■ 28.7237, 36.3515,
74.6107

■ 40.8084, 50.1005,
76.6276

■ 45.1533, 53.9412,
77.1399

■ 50.2787, 58.2320,
77.6980

■ 56.2272, 62.9955,
78.3039

■ 63.0383, 68.2522,
78.9596

■ 70.7488, 74.0217,
79.6668

■ 79.3934, 80.3220,
80.4273

Harmonies

Analogous

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



29.0352, 41.0201, 57.0135



31.9626, 41.0201, 75.3403



36.9859, 41.0201, 86.1901

Triad

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



31.9626, 41.0201, 75.3403



51.6106, 41.0201, 50.7579



35.1550, 41.0201, 20.0785

Complementary

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



31.9626, 41.0201, 75.3403



33.8296, 22.0858, 5.2777

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.



41.0619, 41.0201, 19.2225



31.9626, 41.0201, 75.3403



50.9901, 41.0201, 34.2404

Square

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



31.9626, 41.0201, 75.3403



48.5917, 41.0201, 69.7548



46.9749, 41.0201, 23.7017



30.7418, 41.0201, 26.4520

Rectangle

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



31.9626, 41.0201, 75.3403



41.0284, 41.0201, 86.2155



46.9749, 41.0201, 23.7017



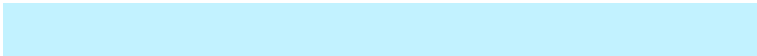
37.0171, 41.0201, 19.2132

Sweetspot

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



31.9640, 41.0216, 75.3413



72.0995, 82.3683, 106.7064



28.8952, 53.4935, 16.9478



14.8296, 17.1423, 22.7771



0.0000, 0.0000, 0.0000



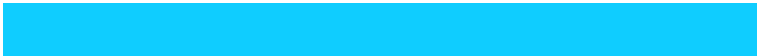
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9640, 41.0216, 75.3413



40.1803, 51.1809, 102.3689



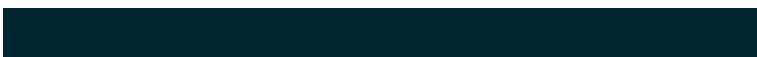
18.9819, 15.0573, 71.0139



13.8632, 15.0655, 17.5650



17.1433, 21.7562, 44.3442



1.2496, 1.6307, 3.0941

Inverse Universe

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



40.0452, 21.1901, 48.4352



52.4835, 26.0376, 60.2740



44.9965, 44.4196, 9.0000



14.1672, 13.8845, 16.6505



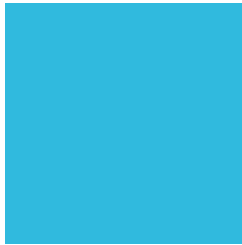
22.5934, 11.1043, 25.5881



1.5970, 0.7821, 1.9367

Previews

White Background



This preview shows how the XYZ color 31.9626, 41.0201, 75.3403 looks on a white background.

Color Contrast Check

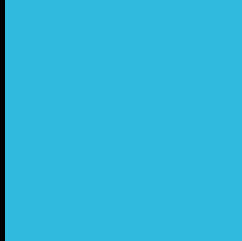
Large Text (above 18pt) WCAG AA × Fail

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 31.9626, 41.0201, 75.3403 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

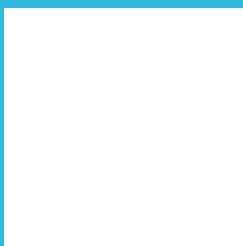
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9626, 41.0201, 75.3403

Background



This preview shows how black text looks on a background with the XYZ color 31.9626, 41.0201, 75.3403.

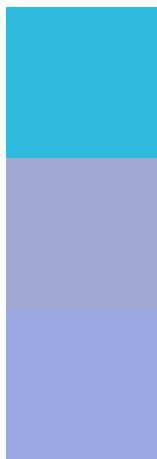


This preview shows how white text looks on a background with the XYZ color 31.9626, 41.0201,

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

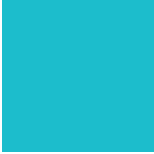
31.9626, 41.0201, 75.3403

Protanopia

40.5188, 40.6061, 66.6750

Deuteranopia

41.4404, 40.5642, 77.5970



Tritanopia

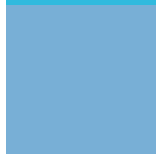
29.5756, 41.0017, 63.4821

Trichromacy



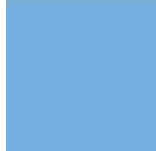
Original Color

31.9626, 41.0201, 75.3403



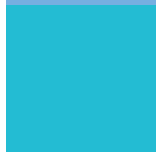
Protanomaly

35.2133, 39.5081, 69.3882



Deuteranomaly

36.2567, 39.8781, 77.0205



Tritanomaly

30.4342, 41.0269, 67.9430

Monochromacy



Original Color

31.9626, 41.0201, 75.3403



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.4389, 32.4200, 45.8858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9626, 41.0201, 75.3403 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(48, 186, 222)` looks like.

```
.text, #text, p{  
    color:rgb(48, 186, 222)  
}
```

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(48, 186, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 186, 222) }
```

Border

The CSS property to change the border of an element to XYZ 31.9626, 41.0201, 75.3403 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(48, 186, 222) }
```


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

```
.border{ border-color:rgb(48, 186, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 186, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 186, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 186, 222);  
box-shadow:4px 4px 4px 4px rgb(48, 186,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9626, 41.0201, 75.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 186, 222) }
```

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

```
.background{ background-color: rgb(48, 186,  
222) }
```

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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