

Converting Colors

XYZ(30.9861, 40.5369, 73.2099)

Have a look what the booklet for
XYZ(30.9861, 40.5369, 73.2099)
contains.

XYZ(31.0048, 40.5724, 73.2150)	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(31.0048, 40.5724,
73.2150)**

Conversions

Conversions Part 1

Format	Color
Hex	22BADB
RGB	34, 186, 219
RGB Percent	13%, 73%, 86%
CMY	0.8666, 0.2706, 0.1412
CMYK	0.84, 0.15, 0.00, 0.14
HSL	191°, 73%, 50%
HSV	191°, 84%, 86%
XYZ	31.0048, 40.5724, 73.2150
YIQ	144.3140, -101.1850, -21.9610

Conversions

Conversions Part 2

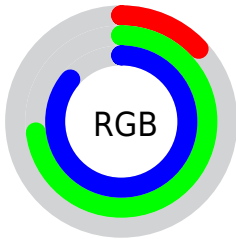
Format	Color
RYB	34, 117, 219
Decimal	2276059
CIELab	69.88, -25.96, -27.16
CIELCh	70, 37.569, 226.290
Yxy	40.5724, 0.2141, 0.2802
Android (android.graphics.Color)	4280466139 (0xFF22BADB)
YUV	144.3140, 36.8202, -96.7454
Hunter-Lab	63.6965, -24.5824, -23.5625

Details

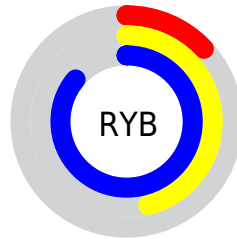
The XYZ color **31.0048, 40.5724, 73.2150** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.5111, 19.1924, 3.5586**, and the grayscale version is **26.5241, 27.9054, 30.3890**.

A 20% lighter version of the original color is **56.8724, 74.3691, 105.9649**, and **15.0884, 19.4554, 38.0820** is the 20% darker color. If you saturate the color by 10%, you get **29.6872, 38.6887, 72.9216**, and if you desaturate by 10%, it is **32.8066, 42.7406, 73.5393**.

Distribution



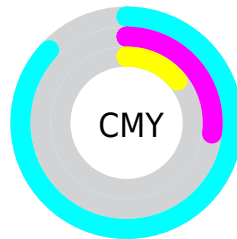
- Red (13%)
- Green (73%)
- Blue (86%)



- Red (13%)
- Yellow (46%)
- Blue (86%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (87%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0048, 40.5724, 73.2150 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 31.0048, 40.5724, 73.2150 by changing the saturation by 10% instead.

■ 31.0048, 40.5724,
73.2150

■ 31.0048, 40.5724,
73.2150

■ 298.3869,
348.5303, 490.8504

■ 20.7543, 27.9851,
53.6589

■ 60.6234, 76.0344,
125.5061

■ 13.0560, 18.3144,
37.9377

■ 80.7223, 99.6778,
159.0782

■ 7.5444, 11.1760,
25.6329

■ 104.8347,
127.7755, 198.1594

■ 3.8542, 6.1853,
16.3259

■ 133.3260,
160.7117, 243.1682

■ 1.6200, 2.9581,
9.5982

■ 166.5615,
198.8709, 294.5232

■ 0.4054, 1.1099,
5.0313

204.9066,

■ 0.0000, 0.0000,

242.6375, 352.6428

2.2066

248.7266,
292.3958, 417.9457

■ 0.0000, 0.0000,
0.6782

■ 0.0000, 0.0000,
0.0000

■ 31.0048, 40.5724,
73.2150

■ 31.0048, 40.5724,
73.2150

■ 29.6872, 38.6887,
72.9216

■ 32.8066, 42.7406,
73.5393

■ 29.0942, 37.7303,
72.7679

■ 35.1644, 45.2284,
73.8953

■ 38.1418, 48.0695,
74.2867

■ 41.7925, 51.2919,
74.7163

■ 46.1643, 54.9205,
75.1863

■ 51.3005, 58.9778,
75.6987

■ 57.2409, 63.4846,
76.2555

■ 64.0226, 68.4602,
76.8585

■ 71.6802, 73.9229,
77.5093

Harmonies

Analogous

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



28.3547, 40.5724, 54.2961



31.0048, 40.5724, 73.2150



35.8463, 40.5724, 85.5613

Triad

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



31.0048, 40.5724, 73.2150



51.1319, 40.5724, 52.6357



35.3622, 40.5724, 19.1217

Complementary

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



31.0048, 40.5724, 73.2150



31.5111, 19.1924, 3.5586

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.



41.4133, 40.5724, 18.8984



31.0048, 40.5724, 73.2150



50.9670, 40.5724, 35.3995

Square

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



31.0048, 40.5724, 73.2150



47.6883, 40.5724, 71.7263



47.2590, 40.5724, 24.0546



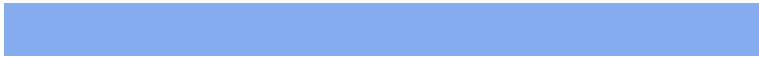
30.6828, 40.5724, 24.7754

Rectangle

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



31.0048, 40.5724, 73.2150



39.8636, 40.5724, 86.7410



47.2590, 40.5724, 24.0546



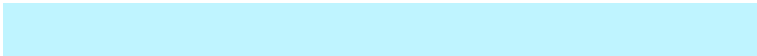
37.2907, 40.5724, 18.4725

Sweetspot

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



31.0061, 40.5738, 73.2160



71.8375, 82.8063, 106.8047



26.9420, 51.3840, 13.4765



14.8054, 17.2779, 22.8046



0.0000, 0.0000, 0.0000



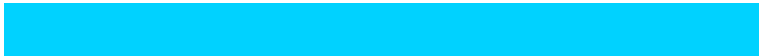
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0061, 40.5738, 73.2160



40.9760, 53.0719, 102.6920



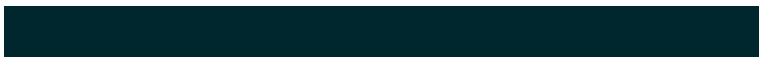
17.6005, 13.7626, 68.7475



13.2370, 14.4138, 16.7366



17.3243, 22.5180, 43.1717



1.1751, 1.5643, 2.8145

Inverse Universe

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



38.6496, 19.7508, 48.2310



52.8120, 25.8888, 62.8671



41.6175, 39.4053, 6.9274



13.5095, 13.2329, 15.9443



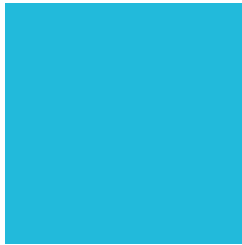
22.2398, 10.8970, 26.7066



1.4674, 0.7166, 1.8704

Previews

White Background



This preview shows how the XYZ color 31.0048, 40.5724, 73.2150 looks on a white background.

Color Contrast Check

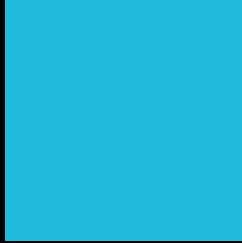
Large Text (above 18pt) WCAG AA × Fail

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 31.0048, 40.5724, 73.2150 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

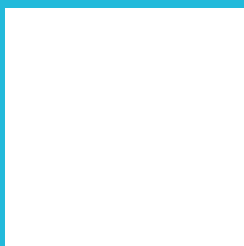
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0048, 40.5724, 73.2150

Background



This preview shows how black text looks on a background with the XYZ color 31.0048, 40.5724, 73.2150.

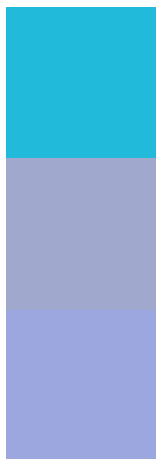


This preview shows how white text looks on a background with the XYZ color 31.0048, 40.5724,

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

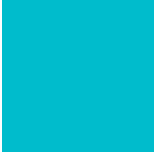
31.0048, 40.5724, 73.2150

Protanopia

39.8412, 40.0386, 64.0209

Deuteranopia

41.0426, 40.1332, 75.3953



Tritanopia

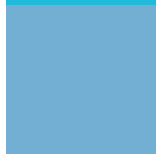
28.8823, 40.3261, 63.3882

Trichromacy



Original Color

31.0048, 40.5724, 73.2150



Protanomaly

34.1581, 39.0079, 67.3570



Deuteranomaly

35.0030, 38.9908, 74.7884



Tritanomaly

29.4306, 40.2223, 66.5341

Monochromacy



Original Color

31.0048, 40.5724, 73.2150



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.4577, 30.6796, 43.1081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0048, 40.5724, 73.2150 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(34, 186, 219)` looks like.

```
.text, #text, p{  
    color:rgb(34, 186, 219)  
}
```

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(34, 186, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 186, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.0048, 40.5724, 73.2150 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(34, 186, 219) }
```


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

```
.border{ border-color:rgb(34, 186, 219) }
```

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

Here you see how a box with a 4 pixel rgb(34, 186, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 186, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 186, 219);  
box-shadow:4px 4px 4px 4px rgb(34, 186,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0048, 40.5724, 73.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 186, 219) }
```

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

```
.background{ background-color: rgb(34, 186,  
219) }
```

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