

Converting Colors

XYZ(37.3210, 49.4770, 90.0211)

Have a look what the booklet for
XYZ(37.3210, 49.4770, 90.0211)
contains.

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Color

**XYZ(37.3210, 49.4770,
90.0211)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCF0
RGB	0, 204, 240
RGB Percent	0%, 80%, 94%
CMY	0.9998, 0.2000, 0.0588
CMYK	1.00, 0.15, 0.00, 0.06
HSL	189°, 100%, 47%
HSV	189°, 100%, 94%
XYZ	37.3210, 49.4770, 90.0211
YIQ	147.1080, -133.1400, -32.0520

Conversions

Conversions Part 2

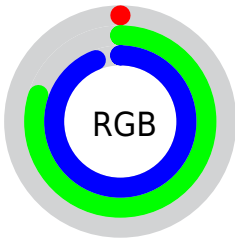
Format	Color
RYB	0, 110, 240
Decimal	52464
CIELab	75.75, -29.33, -29.53
CIELCh	76, 41.616, 225.195
Yxy	49.4770, 0.2111, 0.2798
Android (android.graphics.Color)	4278242544 (0xFF00CCF0)
YUV	147.1080, 45.7958, -129.0137
Hunter-Lab	70.3399, -28.3861, -26.6415

Details

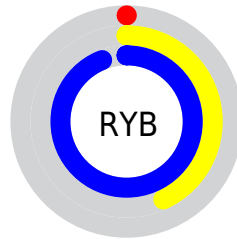
The XYZ color **37.3210, 49.4770, 90.0211** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.5687, 19.7910, 1.8944**, and the grayscale version is **27.6420, 29.0816, 31.6698**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.3992, 24.9556, 49.1419** is the 20% darker color. If you saturate the color by 10%, you get **37.3197, 49.4740, 90.0216**, and if you desaturate by 10%, it is **38.5658, 51.4049, 90.3286**.

Distribution



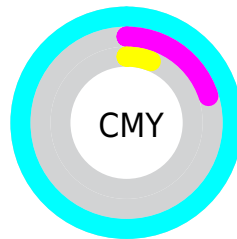
- Red (0%)
- Green (80%)
- Blue (94%)



- Red (0%)
- Yellow (43%)
- Blue (94%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3210, 49.4770, 90.0211 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 37.3210, 49.4770, 90.0211 by changing the saturation by 10% instead.


 37.3210, 49.4770,
90.0211


 37.3210, 49.4770,
90.0211


326.0296,
384.6172, 548.6714


 25.6309, 34.9980,
67.4243


 70.3768, 89.3995,
149.3035

 16.6790, 23.6613,
48.9658


 92.4733, 115.6118,
186.8262


 10.0998, 15.0826,
34.2269


 118.7693,
146.5040, 230.1612

 5.5279, 8.8774,
22.7892

 149.6302,
182.4605, 279.7273

 2.5981, 4.6613,
14.2341

 185.4213,
223.8656, 335.9427

 0.9450, 2.0499,
8.1431

226.5080,

 0.0000, 0.6362,

271.1039, 399.2262

4.0975

273.2557,
324.5596, 469.9962

■ 0.0000, 0.0000,
1.6790

■ 0.0000, 0.0000,
0.3463

■ 37.3210, 49.4770,
90.0211

■ 37.3210, 49.4770,
90.0211

■ 37.3197, 49.4740,
90.0216

■ 38.5658, 51.4049,
90.3286

■ 40.2953, 53.6113,
90.6633

■ 42.6563, 56.1731,
91.0333

■ 45.7355, 59.1351,
91.4428

■ 49.6058, 62.5349,
91.8950

■ 54.3306, 66.4057,
92.3931

■ 59.9671, 70.7769,
92.9398

■ 66.5673, 75.6757,
93.5375

■ 74.1794, 81.1270,
94.1885

Harmonies

Analogous

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



34.1049, 49.4770, 65.8028



37.3210, 49.4770, 90.0211



43.3339, 49.4770, 106.3213

Triad

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



37.3210, 49.4770, 90.0211



62.8897, 49.4770, 65.4833



43.2414, 49.4770, 22.3758

Complementary

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



37.3210, 49.4770, 90.0211



36.5687, 19.7910, 1.8944

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.



50.9229, 49.4770, 22.3340



37.3210, 49.4770, 90.0211



62.8579, 49.4770, 43.4783

Square

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



37.3210, 49.4770, 90.0211



58.3661, 49.4770, 89.7328



58.2835, 49.4770, 28.9852



37.2597, 49.4770, 29.1211

Rectangle

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



37.3210, 49.4770, 90.0211



48.3836, 49.4770, 108.2792



58.2835, 49.4770, 28.9852



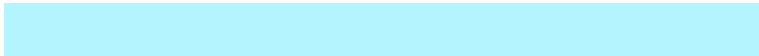
45.6948, 49.4770, 21.6534

Sweetspot

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



37.3226, 49.4787, 90.0223



68.7322, 81.1586, 106.6504



31.4805, 62.4490, 12.0680



14.0989, 16.9023, 22.7693



0.0000, 0.0000, 0.0000



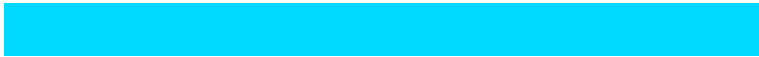
20.3446, 21.4041, 23.3091

Same Dimension

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



37.3226, 49.4787, 90.0223



42.7964, 56.7127, 103.2988



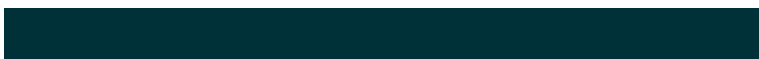
18.9026, 12.6387, 83.8823



16.0335, 17.5012, 20.2546



20.5074, 27.2390, 49.3047



1.7603, 2.3746, 4.1198

Inverse Universe

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



46.8357, 22.8866, 59.0775



53.7308, 26.2563, 67.7058



47.8282, 42.3101, 5.6476



16.3464, 15.9883, 19.3802



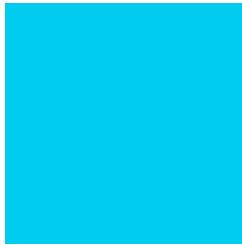
25.6768, 12.5432, 32.5443



2.1635, 1.0544, 2.8516

Previews

White Background



This preview shows how the XYZ color 37.3210, 49.4770, 90.0211 looks on a white background.

Color Contrast Check

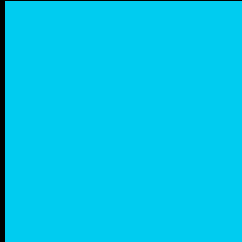
Large Text (above 18pt) WCAG AA × Fail

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 37.3210, 49.4770, 90.0211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

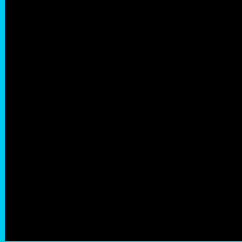
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3210, 49.4770, 90.0211

Background



This preview shows how black text looks on a background with the XYZ color 37.3210, 49.4770, 90.0211.



This preview shows how white text looks on a background with the XYZ color 37.3210, 49.4770,

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

37.3210, 49.4770, 90.0211

Protanopia

48.4286, 48.5333, 78.0496

Deuteranopia

50.0040, 48.7064, 93.1520



Tritanopia

35.2561, 49.4165, 76.7874

Trichromacy



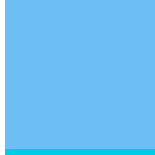
Original Color

37.3210, 49.4770, 90.0211



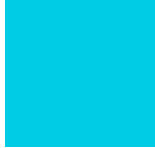
Protanomaly

39.5958, 46.4195, 81.7359



Deuteranomaly

40.8978, 46.5492, 91.6234



Tritanomaly

35.9742, 49.3198, 81.7524

Monochromacy



Original Color

37.3210, 49.4770, 90.0211



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.9592, 33.7211, 48.8040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3210, 49.4770, 90.0211 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, 204, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 240)  
}
```

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, 204, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 240) }
```

Border

The CSS property to change the border of an element to XYZ 37.3210, 49.4770, 90.0211 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, 204, 240) }
```


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

```
.border{ border-color:rgb(0, 204, 240) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3210, 49.4770, 90.0211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 240) }
```

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

```
.background{ background-color: rgb(0, 204,  
240) }
```

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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