

Converting Colors

XYZ(37.8610, 50.5565, 90.2021)

Have a look what the booklet for
XYZ(37.8610, 50.5565, 90.2021)
contains.

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Color

**XYZ(37.7995, 50.4339,
90.1805)**

Conversions

Conversions Part 1

Format	Color
Hex	00CEFO
RGB	0, 206, 240
RGB Percent	0%, 81%, 94%
CMY	0.9997, 0.1921, 0.0588
CMYK	1.00, 0.14, 0.00, 0.06
HSL	189°, 100%, 47%
HSV	189°, 100%, 94%
XYZ	37.7995, 50.4339, 90.1805
YIQ	148.2820, -133.6900, -33.0980

Conversions

Conversions Part 2

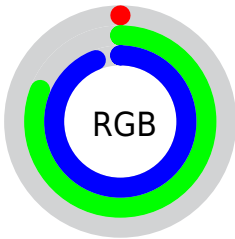
Format	Color
RYB	0, 111, 240
Decimal	52976
CIELab	76.33, -30.30, -28.62
CIELCh	76, 41.684, 223.370
Yxy	50.4339, 0.2119, 0.2827
Android (android.graphics.Color)	4278243056 (0xFF00CEF0)
YUV	148.2820, 45.2170, -130.0433
Hunter-Lab	71.0168, -29.2708, -25.5774

Details

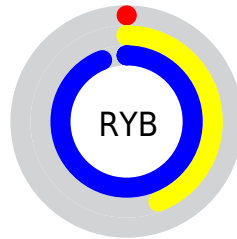
The XYZ color **37.7995, 50.4339, 90.1805** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.5099, 19.6735, 1.8750**, and the grayscale version is **28.1322, 29.5972, 32.2314**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.7183, 25.5939, 49.2483** is the 20% darker color. If you saturate the color by 10%, you get **37.7980, 50.4306, 90.1809**, and if you desaturate by 10%, it is **39.0063, 52.2856, 90.4753**.

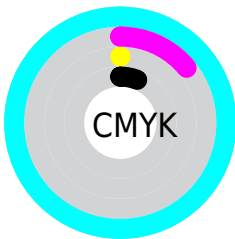
Distribution



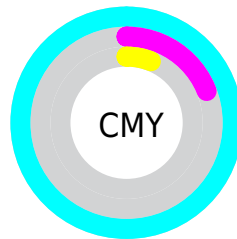
- Red (0%)
- Green (81%)
- Blue (94%)



- Red (0%)
- Yellow (44%)
- Blue (94%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (19%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7995, 50.4339, 90.1805 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 37.7995, 50.4339, 90.1805 by changing the saturation by 10% instead.


 37.7995, 50.4339,
90.1805


 37.7995, 50.4339,
90.1805


328.0548,
388.3603, 549.2031

 26.0036, 35.7583,
67.5558


 71.1066, 90.8174,
149.5268

 16.9590, 24.2476,
49.0720


 93.3485, 117.2941,
187.0855


 10.3004, 15.5174,
34.3106


 119.8032,
148.4733, 230.4592

 5.6624, 9.1833,
22.8530

 150.8359,
184.7394, 280.0666

 2.6796, 4.8609,
14.2807

 186.8121,
226.4767, 336.3261

 0.9867, 2.1659,
8.1752

228.0971,

 0.0000, 0.7013,

274.0697, 399.6564

4.1179

275.0562,
327.9028, 470.4758

■ 0.0000, 0.0000,
1.6902

■ 0.0000, 0.0000,
0.3540

■ 37.7995, 50.4339,
90.1805

■ 37.7995, 50.4339,
90.1805

■ 37.7980, 50.4306,
90.1809

■ 39.0063, 52.2856,
90.4753

■ 40.6956, 54.4115,
90.7966

■ 43.0144, 56.8886,
91.1525

■ 46.0494, 59.7617,
91.5471

■ 49.8731, 63.0683,
91.9838

■ 54.5493, 66.8415,
92.4657

■ 60.1350, 71.1108,
92.9953

■ 66.6823, 75.9032,
93.5753

■ 74.2392, 81.2436,
94.2078

Harmonies

Analogous

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



34.7249, 50.4339, 65.5045



37.7995, 50.4339, 90.1805



43.7533, 50.4339, 107.4816

Triad

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



37.7995, 50.4339, 90.1805



63.8643, 50.4339, 68.2072



44.5368, 50.4339, 22.7303

Complementary

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



37.7995, 50.4339, 90.1805



36.5099, 19.6735, 1.8750

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.



52.3769, 50.4339, 23.0850



37.7995, 50.4339, 90.1805



64.1332, 50.4339, 45.5312

Square

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



37.7995, 50.4339, 90.1805



59.0405, 50.4339, 92.6177



59.7395, 50.4339, 30.2995



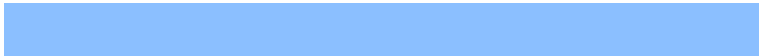
38.3191, 50.4339, 29.1470

Rectangle

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



37.7995, 50.4339, 90.1805



48.8267, 50.4339, 110.2108



59.7395, 50.4339, 30.2995



47.0560, 50.4339, 22.1279

Sweetspot

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



37.8012, 50.4357, 90.1817



68.9239, 81.5419, 106.7142



31.4228, 62.4259, 11.7640



14.1453, 16.9951, 22.7848



0.0000, 0.0000, 0.0000



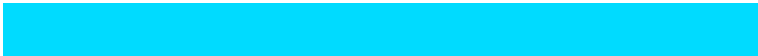
20.3446, 21.4041, 23.3091

Same Dimension

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



37.8012, 50.4357, 90.1817



43.3467, 57.8134, 103.4822



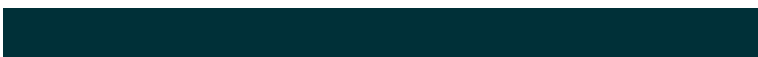
19.2225, 13.2784, 83.9889



16.0453, 17.5247, 20.2585



20.7658, 27.7559, 49.3908



1.7794, 2.4127, 4.1261

Inverse Universe

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



47.0772, 22.9833, 60.3492



54.0086, 26.3674, 69.1686



47.1684, 40.9905, 5.4279



16.3523, 15.9906, 19.4115



25.8073, 12.5953, 33.2312



2.1731, 1.0583, 2.9024

Previews

White Background



This preview shows how the XYZ color 37.7995, 50.4339, 90.1805 looks on a white background.

Color Contrast Check

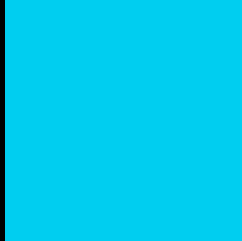
Large Text (above 18pt) WCAG AA × Fail

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 37.7995, 50.4339, 90.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

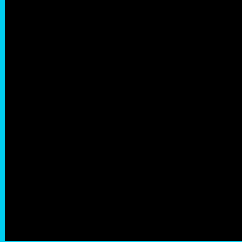
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7995, 50.4339, 90.1805

Background



This preview shows how black text looks on a background with the XYZ color 37.7995, 50.4339, 90.1805.

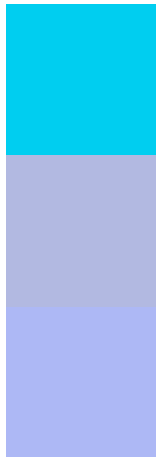


This preview shows how white text looks on a background with the XYZ color 37.7995, 50.4339,

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

37.7995, 50.4339, 90.1805

Protanopia

49.2997, 49.5991, 78.2094

Deuteranopia

50.8555, 49.7578, 93.3100



Tritanopia

36.0104, 50.4936, 78.3693

Trichromacy



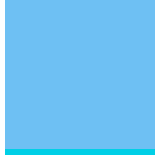
Original Color

37.7995, 50.4339, 90.1805



Protanomaly

40.1629, 47.3638, 81.8882



Deuteranomaly

41.4577, 47.4853, 91.7746



Tritanomaly

36.5958, 50.3388, 82.6505

Monochromacy



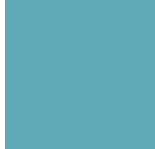
Original Color

37.7995, 50.4339, 90.1805



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

27.1446, 34.0918, 48.8658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7995, 50.4339, 90.1805 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, 206, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 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, 206, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 240) }
```

Border

The CSS property to change the border of an element to XYZ 37.7995, 50.4339, 90.1805 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, 206, 240) }
```


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

```
.border{ border-color:rgb(0, 206, 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, 206, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7995, 50.4339, 90.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 240) }
```

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

```
.background{ background-color: rgb(0, 206,  
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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