

Converting Colors

XYZ(37.6998, 51.8509, 85.1645)

Have a look what the booklet for
XYZ(37.6998, 51.8509, 85.1645)
contains.

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Color

**XYZ(37.7546, 51.9764,
85.1334)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2E9
RGB	0, 210, 233
RGB Percent	0%, 82%, 91%
CMY	0.9998, 0.1765, 0.0863
CMYK	1.00, 0.10, 0.00, 0.09
HSL	186°, 100%, 46%
HSV	186°, 100%, 91%
XYZ	37.7546, 51.9764, 85.1334
YIQ	149.8320, -132.5430, -37.3670

Conversions

Conversions Part 2

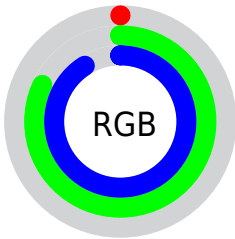
Format	Color
RYB	0, 110, 233
Decimal	53993
CIELab	77.27, -34.46, -23.45
CIELCh	77, 41.683, 214.228
Yxy	51.9764, 0.2159, 0.2972
Android (android.graphics.Color)	4278244073 (0xFF00D2E9)
YUV	149.8320, 41.0018, -131.4027
Hunter-Lab	72.0947, -32.6886, -19.5467

Details

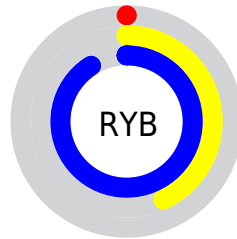
The XYZ color **37.7546, 51.9764, 85.1334** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.9127, 17.9393, 1.6770**, and the grayscale version is **28.7989, 30.2987, 32.9952**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.6572, 26.6170, 45.6965** is the 20% darker color. If you saturate the color by 10%, you get **37.7539, 51.9748, 85.1341**, and if you desaturate by 10%, it is **38.6893, 53.3085, 85.3423**.

Distribution



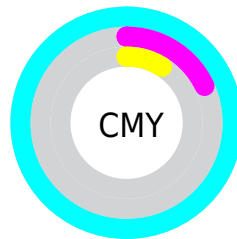
- Red (0%)
- Green (82%)
- Blue (91%)



- Red (0%)
- Yellow (43%)
- Blue (91%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7546, 51.9764, 85.1334 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 37.7546, 51.9764, 85.1334 by changing the saturation by 10% instead.


 37.7546, 51.9764,
85.1334


 37.7546, 51.9764,
85.1334


327.8652,
394.3455, 532.2255


 25.9686, 36.9863,
63.4008

 71.0382, 93.0964,
142.4354


 16.9327, 25.1969,
45.7225


 93.2665, 119.9951,
178.8418


 10.2815, 16.2238,
31.6798


 119.7063,
151.6321, 220.9767

 5.6497, 9.6826,
20.8542

 150.7230,
188.3918, 269.2584

 2.6719, 5.1891,
12.8273

 186.6818,
230.6586, 324.1057

 0.9827, 2.3586,
7.1804

227.9482,

 0.0000, 0.8045,

278.8169, 385.9369

3.4950

274.8876,
333.2510, 455.1706

■ 0.0000, 0.0000,
1.3526

■ 0.0000, 0.0000,
0.1043

■ 37.7546, 51.9764,
85.1334

■ 37.7546, 51.9764,
85.1334

■ 37.7539, 51.9748,
85.1341

■ 38.6893, 53.3085,
85.3423

■ 40.0647, 54.8790,
85.5729

■ 42.0195, 56.7604,
85.8330

■ 44.6341, 58.9942,
86.1264

■ 47.9759, 61.6152,
86.4561

■ 52.1040, 64.6539,
86.8251

■ 57.0713, 68.1376,
87.2357

■ 62.9263, 72.0915,
87.6903

■ 69.7135, 76.5384,
88.1909

Harmonies

Analogous

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



35.6069, 51.9764, 59.9006



37.7546, 51.9764, 85.1334



43.0173, 51.9764, 106.1971

Triad

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



37.7546, 51.9764, 85.1334



64.5728, 51.9764, 77.9662



48.2777, 51.9764, 23.0717

Complementary

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



37.7546, 51.9764, 85.1334



33.9127, 17.9393, 1.6770

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.



56.3892, 51.9764, 25.4928



37.7546, 51.9764, 85.1334



66.3665, 51.9764, 53.4104

Square

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



37.7546, 51.9764, 85.1334



58.5597, 51.9764, 101.3369



63.2279, 51.9764, 35.2724



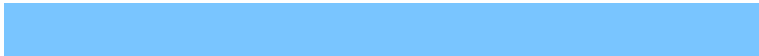
41.2526, 51.9764, 27.4474

Rectangle

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



37.7546, 51.9764, 85.1334



47.8726, 51.9764, 112.6438



63.2279, 51.9764, 35.2724



50.9636, 51.9764, 23.1286

Sweetspot

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



37.7563, 51.9783, 85.1347



69.9227, 83.5395, 107.0472



29.2617, 58.3277, 10.3537



14.3874, 17.4794, 22.8655



0.0000, 0.0000, 0.0000



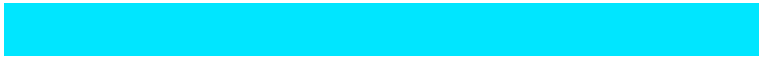
20.3446, 21.4041, 23.3091

Same Dimension

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



37.7563, 51.9783, 85.1347



46.2976, 63.7153, 104.4659



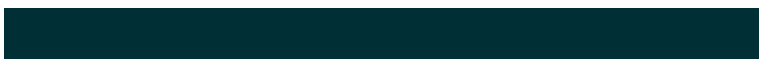
18.9948, 14.4554, 78.8809



15.3832, 16.8528, 19.3644



21.4738, 29.5946, 48.3235



1.7231, 2.3976, 3.8068

Inverse Universe

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



45.2386, 21.9785, 62.8326



55.4981, 26.9632, 77.0122



42.4013, 34.9165, 4.5066



15.6470, 15.2866, 18.6922



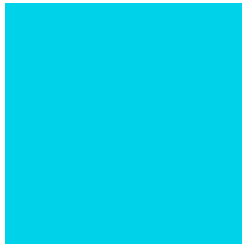
25.6943, 12.4804, 35.7871



2.0362, 0.9875, 2.9081

Previews

White Background



This preview shows how the XYZ color 37.7546, 51.9764, 85.1334 looks on a white background.

Color Contrast Check

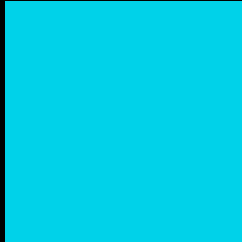
Large Text (above 18pt) WCAG AA × Fail

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 37.7546, 51.9764, 85.1334 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

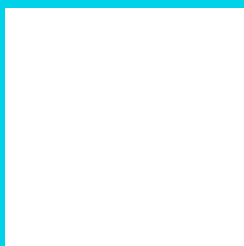
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7546, 51.9764, 85.1334

Background



This preview shows how black text looks on a background with the XYZ color 37.7546, 51.9764, 85.1334.



This preview shows how white text looks on a background with the XYZ color 37.7546, 51.9764,

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

37.7546, 51.9764, 85.1334

Protanopia

50.4053, 51.2187, 73.5592

Deuteranopia

52.2829, 51.2359, 88.0228



Tritanopia

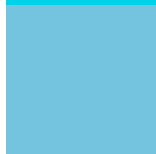
37.2979, 52.1900, 81.5067

Trichromacy



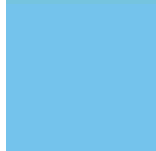
Original Color

37.7546, 51.9764, 85.1334



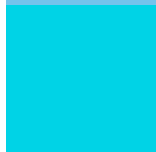
Protanomaly

40.3953, 48.5895, 77.0617



Deuteranomaly

41.8579, 48.7993, 86.5700



Tritanomaly

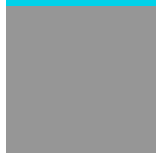
37.5772, 52.3017, 82.9776

Monochromacy



Original Color

37.7546, 51.9764, 85.1334



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.7101, 35.2332, 48.5202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7546, 51.9764, 85.1334 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, 210, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 233)  
}
```

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, 210, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 233) }
```

Border

The CSS property to change the border of an element to XYZ 37.7546, 51.9764, 85.1334 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, 210, 233) }
```


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

```
.border{ border-color:rgb(0, 210, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7546, 51.9764, 85.1334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 233) }
```

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

```
.background{ background-color: rgb(0, 210,  
233) }
```

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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