

Converting Colors

XYZ(37.6346, 51.9641, 84.3915)

Have a look what the booklet for
XYZ(37.6346, 51.9641, 84.3915)
contains.

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Color

**XYZ(37.6121, 51.9194,
84.3830)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2E8
RGB	0, 210, 232
RGB Percent	0%, 82%, 91%
CMY	0.9998, 0.1765, 0.0902
CMYK	1.00, 0.09, 0.00, 0.09
HSL	186°, 100%, 46%
HSV	186°, 100%, 91%
XYZ	37.6121, 51.9194, 84.3830
YIQ	149.7180, -132.2220, -37.6780

Conversions

Conversions Part 2

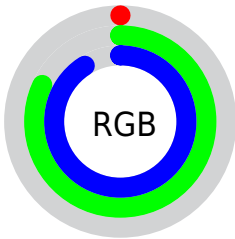
Format	Color
RYB	0, 110, 232
Decimal	53992
CIELab	77.23, -34.78, -22.96
CIELCh	77, 41.676, 213.433
Yxy	51.9194, 0.2163, 0.2985
Android (android.graphics.Color)	4278244072 (0xFF00D2E8)
YUV	149.7180, 40.5650, -131.3027
Hunter-Lab	72.0551, -32.9211, -18.9953

Details

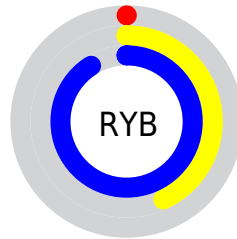
The XYZ color **37.6121, 51.9194, 84.3830** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.5676, 17.7323, 1.6553**, and the grayscale version is **28.7524, 30.2497, 32.9419**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.5578, 26.5773, 45.1734** is the 20% darker color. If you saturate the color by 10%, you get **37.6115, 51.9179, 84.3837**, and if you desaturate by 10%, it is **38.5194, 53.2002, 84.5834**.

Distribution



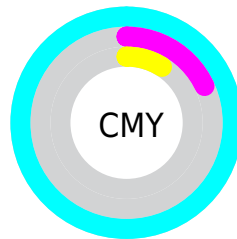
- Red (0%)
- Green (82%)
- Blue (91%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6121, 51.9194, 84.3830 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 37.6121, 51.9194, 84.3830 by changing the saturation by 10% instead.


 37.6121, 51.9194,
84.3830


 37.6121, 51.9194,
84.3830

327.2627,
394.1254, 529.6755

 25.8576, 36.9408,
62.7845

 70.8209, 93.0124,
141.3773


 16.8493, 25.1617,
45.2270

 93.0060, 119.8955,
177.6102

 10.2217, 16.1976,
31.2920


 119.3986,
151.5157, 219.5582

 5.6096, 9.6641,
20.5610

 150.3642,
188.2573, 267.6401

 2.6476, 5.1768,
12.6154

 186.2680,
230.5047, 322.2741

 0.9703, 2.3514,
7.0366

227.4755,

 0.0000, 0.8007,

278.6422, 383.8790

3.4062

274.3519,
333.0543, 452.8733

■ 0.0000, 0.0000,
1.3056

■ 0.0000, 0.0000,
0.0664

■ 37.6121, 51.9194,
84.3830

■ 37.6121, 51.9194,
84.3830

■ 37.6115, 51.9179,
84.3837

■ 38.5194, 53.2002,
84.5834

■ 39.8622, 54.7157,
84.8051

■ 41.7782, 56.5378,
85.0559

■ 44.3466, 58.7075,
85.3393

■ 47.6344, 61.2592,
85.6585

■ 51.6998, 64.2232,
86.0164

■ 56.5954, 67.6265,
86.4152

■ 62.3690, 71.4938,
86.8574

■ 69.0648, 75.8479,
87.3449

Harmonies

Analogous

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



35.5540, 51.9194, 59.2058



37.6121, 51.9194, 84.3830



42.7949, 51.9194, 105.6838

Triad

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



37.6121, 51.9194, 84.3830



64.3931, 51.9194, 78.5650



48.4341, 51.9194, 23.0193

Complementary

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



37.6121, 51.9194, 84.3830



33.5676, 17.7323, 1.6553

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.



56.5378, 51.9194, 25.6186



37.6121, 51.9194, 84.3830



66.3147, 51.9194, 53.9388

Square

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



37.6121, 51.9194, 84.3830



58.2995, 51.9194, 101.7378



63.3013, 51.9194, 35.6011



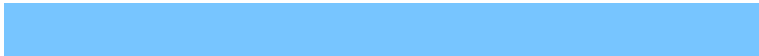
41.3629, 51.9194, 27.2038

Rectangle

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



37.6121, 51.9194, 84.3830



47.6128, 51.9194, 112.4302



63.3013, 51.9194, 35.6011



51.1245, 51.9194, 23.1346

Sweetspot

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



37.6138, 51.9213, 84.3843



70.0139, 83.7219, 107.0776



28.9787, 57.7627, 10.2557



14.4096, 17.5236, 22.8729



0.0000, 0.0000, 0.0000



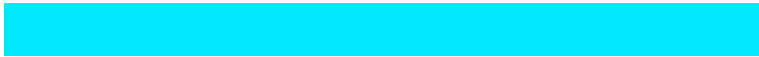
20.3446, 21.4041, 23.3091

Same Dimension

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



37.6138, 51.9213, 84.3843



46.5739, 64.2679, 104.5580



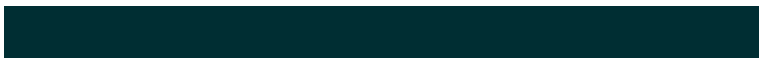
18.8138, 14.3214, 78.1176



14.6845, 16.0903, 18.4761



20.9309, 28.9239, 46.8629



1.5809, 2.2058, 3.4744

Inverse Universe

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



44.9130, 21.8107, 62.8173



55.6376, 27.0190, 77.7466



41.9938, 34.5848, 4.4640



14.9331, 14.5904, 17.8480



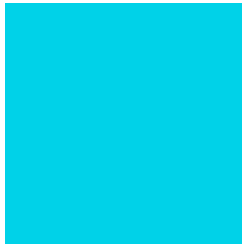
24.9585, 12.1176, 35.0058



1.8616, 0.9024, 2.6777

Previews

White Background



This preview shows how the XYZ color 37.6121, 51.9194, 84.3830 looks on a white background.

Color Contrast Check

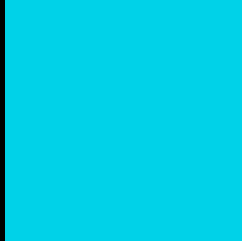
Large Text (above 18pt) WCAG AA × Fail

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 37.6121, 51.9194, 84.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

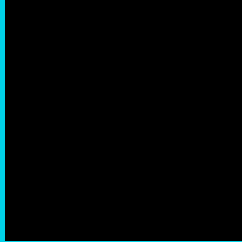
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6121, 51.9194, 84.3830

Background



This preview shows how black text looks on a background with the XYZ color 37.6121, 51.9194, 84.3830.



This preview shows how white text looks on a background with the XYZ color 37.6121, 51.9194,

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

37.6121, 51.9194, 84.3830

Protanopia

50.2748, 51.1665, 72.8720

Deuteranopia

52.3734, 51.2995, 87.2622



Tritanopia

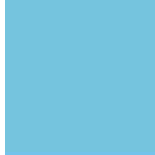
37.2979, 52.1900, 81.5067

Trichromacy



Original Color

37.6121, 51.9194, 84.3830



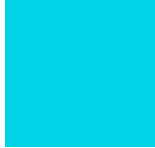
Protanomaly

40.2609, 48.5357, 76.3536



Deuteranomaly

41.7130, 48.7414, 85.8068



Tritanomaly

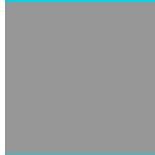
37.4371, 52.2457, 82.2400

Monochromacy



Original Color

37.6121, 51.9194, 84.3830



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 37.6121, 51.9194, 84.3830 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 232) }
```

Border

The CSS property to change the border of an element to XYZ 37.6121, 51.9194, 84.3830 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, 232) }
```


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

```
.border{ border-color:rgb(0, 210, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6121, 51.9194, 84.3830 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, 232) }
```

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

```
.background{ background-color: rgb(0, 210,  
232) }
```

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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