

Converting Colors

XYZ(24.7173, 44.3781, 83.8963)

Have a look what the booklet for
XYZ(24.7173, 44.3781, 83.8963)
contains.

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Color

**XYZ(37.1214, 50.9379,
84.2194)**

Conversions

Conversions Part 1

Format	Color
Hex	00D0E8
RGB	0, 208, 232
RGB Percent	0%, 82%, 91%
CMY	0.9997, 0.1843, 0.0902
CMYK	1.00, 0.10, 0.00, 0.09
HSL	186°, 100%, 46%
HSV	186°, 100%, 91%
XYZ	37.1214, 50.9379, 84.2194
YIQ	148.5440, -131.6720, -36.6320

Conversions

Conversions Part 2

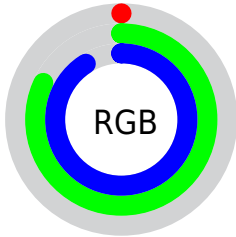
Format	Color
RYB	0, 110, 232
Decimal	53480
CIELab	76.64, -33.83, -23.86
CIELCh	77, 41.403, 215.194
Yxy	50.9379, 0.2155, 0.2957
Android (android.graphics.Color)	4278243560 (0xFF00D0E8)
YUV	148.5440, 41.1438, -130.2731
Hunter-Lab	71.3708, -32.0574, -20.0042

Details

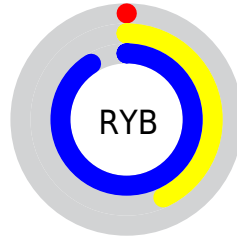
The XYZ color **37.1214, 50.9379, 84.2194** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.6075, 17.8122, 1.6688**, and the grayscale version is **28.2574, 29.7290, 32.3749**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.2277, 25.9171, 45.0634** is the 20% darker color. If you saturate the color by 10%, you get **37.1205, 50.9358, 84.2200**, and if you desaturate by 10%, it is **38.0715, 52.3041, 84.4340**.

Distribution



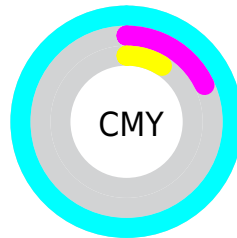
- Red (0%)
- Green (82%)
- Blue (91%)



- 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 37.1214, 50.9379, 84.2194 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 37.1214, 50.9379, 84.2194 by changing the saturation by 10% instead.


 37.1214, 50.9379,
84.2194


 37.1214, 50.9379,
84.2194


325.1822,
390.3225, 529.1186


 25.4756, 36.1592,
62.6502


 70.0721, 91.5630,
141.1465


 16.5624, 24.5572,
45.1191

 92.1077, 118.1781,
177.3414

 10.0163, 15.7474,
31.2076


 118.3372,
149.5075, 219.2487

 5.4721, 9.3456,
20.4972

 149.1262,
185.9356, 267.2868

 2.5644, 4.9673,
12.5693

 184.8398,
227.8468, 321.8743

 0.9279, 2.2281,
7.0054

225.8434,

 0.0000, 0.7352,

275.6254, 383.4298

3.3870

272.5024,
329.6558, 452.3717

■ 0.0000, 0.0000,
1.2955

■ 0.0000, 0.0000,
0.0581

■ 37.1214, 50.9379,
84.2194

■ 37.1214, 50.9379,
84.2194

■ 37.1205, 50.9358,
84.2200

■ 38.0715, 52.3041,
84.4340

■ 39.4585, 53.9079,
84.6705

■ 41.4201, 55.8211,
84.9364

■ 44.0357, 58.0847,
85.2354

■ 47.3720, 60.7333,
85.5708

■ 51.4874, 63.7970,
85.9453

■ 56.4344, 67.3028,
86.3612

■ 62.2609, 71.2756,
86.8210

■ 69.0111, 75.7381,
87.3265

Harmonies

Analogous

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



34.9124, 50.9379, 59.4597



37.1214, 50.9379, 84.2194



42.3676, 50.9379, 104.5479

Triad

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



37.1214, 50.9379, 84.2194



63.4122, 50.9379, 75.5968



47.0643, 50.9379, 22.6439

Complementary

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



37.1214, 50.9379, 84.2194



33.6075, 17.8122, 1.6688

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.



55.0120, 50.9379, 24.8016



37.1214, 50.9379, 84.2194



65.0149, 50.9379, 51.6489

Square

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



37.1214, 50.9379, 84.2194



57.6237, 50.9379, 98.7020



61.7941, 50.9379, 34.1335



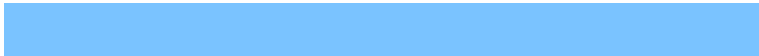
40.2436, 50.9379, 27.1557

Rectangle

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



37.1214, 50.9379, 84.2194



47.1642, 50.9379, 110.4984



61.7941, 50.9379, 34.1335



49.6876, 50.9379, 22.6299

Sweetspot

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



37.1230, 50.9397, 84.2206



69.8116, 83.3174, 107.0101



29.0151, 57.7773, 10.4473



14.3605, 17.4255, 22.8565



0.0000, 0.0000, 0.0000



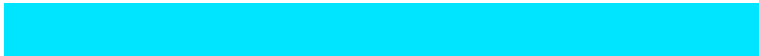
20.3446, 21.4041, 23.3091

Same Dimension

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



37.1230, 50.9397, 84.2206



45.9628, 63.0455, 104.3543



18.4670, 13.6276, 78.0020



14.6734, 16.0681, 18.4724



20.6622, 28.3865, 46.7733



1.5637, 2.1714, 3.4687

Inverse Universe

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



44.6654, 21.7117, 61.5128



55.3291, 26.8956, 76.1221



42.5452, 35.6875, 4.6480



14.9275, 14.5882, 17.8184



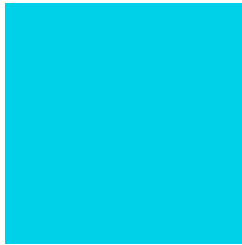
24.8228, 12.0634, 34.2917



1.8529, 0.8989, 2.6321

Previews

White Background



This preview shows how the XYZ color 37.1214, 50.9379, 84.2194 looks on a white background.

Color Contrast Check

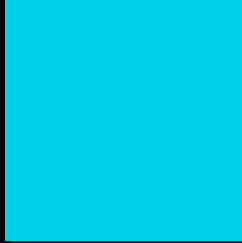
Large Text (above 18pt) WCAG AA × Fail

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 37.1214, 50.9379, 84.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

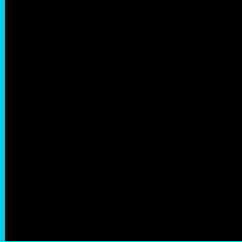
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1214, 50.9379, 84.2194

Background



This preview shows how black text looks on a background with the XYZ color 37.1214, 50.9379, 84.2194.



This preview shows how white text looks on a background with the XYZ color 37.1214, 50.9379,

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

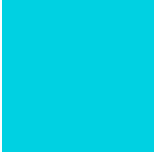
37.1214, 50.9379, 84.2194

Protanopia

49.3747, 50.0726, 72.7083

Deuteranopia

51.2489, 50.0987, 87.0897



Tritanopia

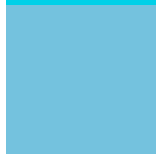
36.5279, 51.0919, 79.8880

Trichromacy



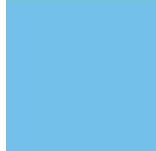
Original Color

37.1214, 50.9379, 84.2194



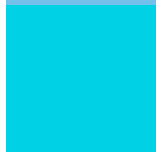
Protanomaly

39.6791, 47.5705, 76.1980



Deuteranomaly

41.1356, 47.7829, 85.6522



Tritanomaly

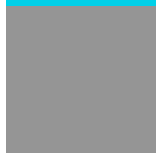
36.8041, 51.2024, 81.3421

Monochromacy



Original Color

37.1214, 50.9379, 84.2194



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.2307, 34.4370, 47.8596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1214, 50.9379, 84.2194 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, 208, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 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, 208, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 232) }
```

Border

The CSS property to change the border of an element to XYZ 37.1214, 50.9379, 84.2194 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, 208, 232) }
```


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

```
.border{ border-color:rgb(0, 208, 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, 208, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1214, 50.9379, 84.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 232) }
```

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

```
.background{ background-color: rgb(0, 208,  
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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