

Converting Colors

XYZ(36.8671, 51.3762, 79.9284)

Have a look what the booklet for
XYZ(36.8671, 51.3762, 79.9284)
contains.

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Color

**XYZ(36.7965, 51.2304,
79.9006)**

Conversions

Conversions Part 1

Format	Color
Hex	13D1E2
RGB	19, 209, 226
RGB Percent	7%, 82%, 89%
CMY	0.9253, 0.1804, 0.1137
CMYK	0.92, 0.08, 0.00, 0.11
HSL	185°, 84%, 48%
HSV	185°, 92%, 89%
XYZ	36.7965, 51.2304, 79.9006
YIQ	154.1280, -118.6970, -34.9930

Conversions

Conversions Part 2

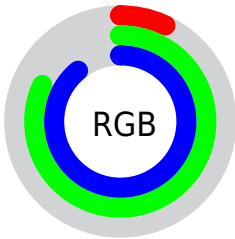
Format	Color
RYB	19, 118, 226
Decimal	1298914
CIELab	76.82, -35.67, -20.36
CIELCh	77, 41.071, 209.724
Yxy	51.2304, 0.2191, 0.3051
Android (android.graphics.Color)	4279488994 (0xFF13D1E2)
YUV	154.1280, 35.4329, -118.5073
Hunter-Lab	71.5754, -33.4912, -16.0834

Details

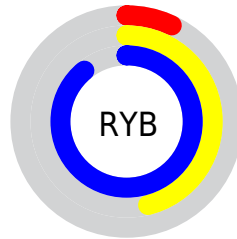
The XYZ color **36.7965, 51.2304, 79.9006** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.1142, 17.4800, 2.2991**, and the grayscale version is **30.6634, 32.2602, 35.1314**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **18.9063, 26.0515, 42.5600** is the 20% darker color. If you saturate the color by 10%, you get **36.1471, 50.3300, 79.7620**, and if you desaturate by 10%, it is **37.9270, 52.4943, 80.0859**.

Distribution



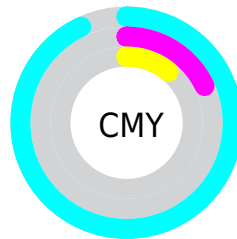
- Red (7%)
- Green (82%)
- Blue (89%)



- Red (7%)
- Yellow (46%)
- Blue (89%)



- Cyan (92%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (93%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7965, 51.2304, 79.9006 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 36.7965, 51.2304, 79.9006 by changing the saturation by 10% instead.

36.7965, 51.2304,
79.9006

36.7965, 51.2304,
79.9006

323.7995,
391.4583, 514.2957

25.2229, 36.3920,
59.1109

69.5756, 91.9953,
135.0361

16.3728, 24.7371,
42.2818

91.5117, 118.6905,
170.2190

9.8809, 15.8813,
28.9948

117.6328,
150.1068, 211.0366

5.3817, 9.4402,
18.8313

148.3042,
186.6286, 257.9076

2.5100, 5.0294,
11.3729

183.8912,
228.6402, 311.2505

0.9003, 2.2645,
6.2009

224.7592,

0.0000, 0.7548,

276.5261, 371.4838

2.8969

271.2735,
330.6707, 439.0260

■ 0.0000, 0.0000,
1.0422

■ 0.0000, 0.0000,
0.0000

■ 36.7965, 51.2304,
79.9006

■ 36.7965, 51.2304,
79.9006

■ 36.1471, 50.3300,
79.7620

■ 37.9270, 52.4943,
80.0859

■ 39.5801, 54.0344,
80.2961

■ 41.8344, 55.8924,
80.5359

■ 44.7538, 58.1012,
80.8084

■ 48.3943, 60.6898,
81.1161

■ 52.8057, 63.6837,
81.4615

■ 58.0335, 67.1066,
81.8467

■ 64.1197, 70.9801,
82.2736

■ 71.1033, 75.3242,
82.7440

Harmonies

Analogous

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



35.1838, 51.2304, 55.5748



36.7965, 51.2304, 79.9006



41.5170, 51.2304, 101.6993

Triad

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



36.7965, 51.2304, 79.9006



62.8259, 51.2304, 80.3563



48.7651, 51.2304, 22.9131

Complementary

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



36.7965, 51.2304, 79.9006



32.1142, 17.4800, 2.2991

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.



56.6515, 51.2304, 26.3044



36.7965, 51.2304, 79.9006



65.2810, 51.2304, 55.9881

Square

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



36.7965, 51.2304, 79.9006



56.5133, 51.2304, 102.0081



62.9114, 51.2304, 37.0813



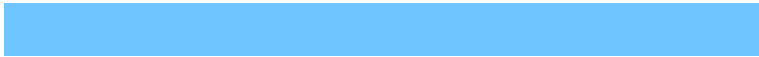
41.6295, 51.2304, 26.1794

Rectangle

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



36.7965, 51.2304, 79.9006



46.0666, 51.2304, 109.6100



62.9114, 51.2304, 37.0813



51.4173, 51.2304, 23.2955

Sweetspot

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



36.7981, 51.2323, 79.9018



72.3187, 85.6429, 107.3269



27.7382, 54.6412, 10.5115



14.9923, 18.0099, 22.9360



0.0000, 0.0000, 0.0000



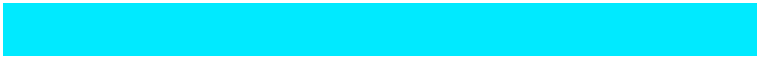
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7981, 51.2323, 79.9018



47.4889, 66.0978, 104.8630



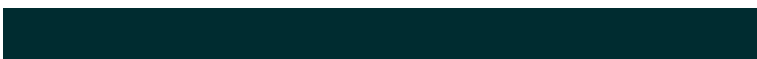
19.4359, 16.5078, 74.1144



14.0152, 15.3696, 17.6156



20.6638, 28.7971, 45.5177



1.4612, 2.0538, 3.1646

Inverse Universe

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



43.1069, 21.2395, 62.1512



56.0994, 27.2038, 80.1785



40.3311, 33.9137, 5.0380



14.2439, 13.9152, 17.0546



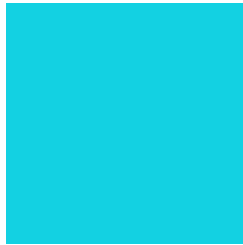
24.3703, 11.8151, 34.9454



1.7038, 0.8248, 2.4989

Previews

White Background



This preview shows how the XYZ color 36.7965, 51.2304, 79.9006 looks on a white background.

Color Contrast Check

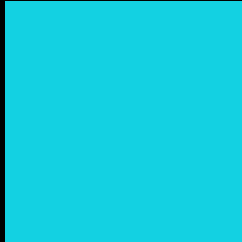
Large Text (above 18pt) WCAG AA × Fail

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 36.7965, 51.2304, 79.9006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

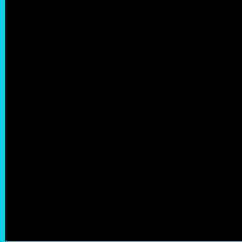
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7965, 51.2304, 79.9006

Background



This preview shows how black text looks on a background with the XYZ color 36.7965, 51.2304, 79.9006.

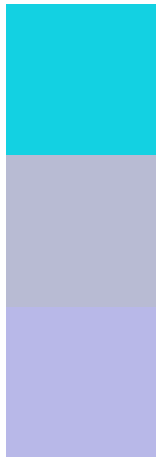


This preview shows how white text looks on a background with the XYZ color 36.7965, 51.2304,

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

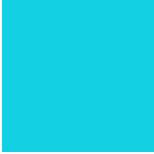
36.7965, 51.2304, 79.9006

Protanopia

49.2954, 50.4341, 68.7646

Deuteranopia

51.4731, 50.2975, 83.3394



Tritanopia

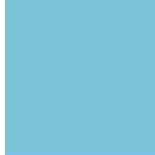
36.7965, 51.2304, 79.9006

Trichromacy



Original Color

36.7965, 51.2304, 79.9006



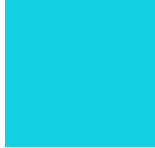
Protanomaly

40.2220, 48.2732, 72.1635



Deuteranomaly

41.6651, 48.1382, 81.9585



Tritanomaly

36.7965, 51.2304, 79.9006

Monochromacy



Original Color

36.7965, 51.2304, 79.9006



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.2000, 36.5706, 48.6999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7965, 51.2304, 79.9006 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(19, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(19, 209, 226)  
}
```

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(19, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 209, 226) }
```

Border

The CSS property to change the border of an element to XYZ 36.7965, 51.2304, 79.9006 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(19, 209, 226) }
```


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

```
.border{ border-color:rgb(19, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(19, 209,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7965, 51.2304, 79.9006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 209, 226) }
```

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

```
.background{ background-color: rgb(19, 209,  
226) }
```

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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