

Converting Colors

XYZ(37.3228, 51.1549, 78.7155)

Have a look what the booklet for
XYZ(37.3228, 51.1549, 78.7155)
contains.

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Color

**XYZ(37.2770, 51.1465,
78.4286)**

Conversions

Conversions Part 1

Format	Color
Hex	31D0E0
RGB	49, 208, 224
RGB Percent	19%, 82%, 88%
CMY	0.8078, 0.1843, 0.1216
CMYK	0.78, 0.07, 0.00, 0.12
HSL	185°, 74%, 54%
HSV	185°, 78%, 88%
XYZ	37.2770, 51.1465, 78.4286
YIQ	162.2830, -99.9000, -28.7320

Conversions

Conversions Part 2

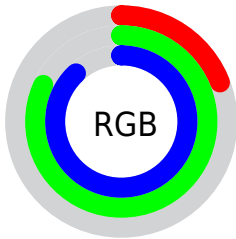
Format	Color
RYB	49, 132, 224
Decimal	3264736
CIELab	76.77, -33.87, -19.34
CIELCh	77, 39.001, 209.723
Yxy	51.1465, 0.2234, 0.3065
Android (android.graphics.Color)	4281454816 (0xFF31D0E0)
YUV	162.2830, 30.4265, -99.3492
Hunter-Lab	71.5168, -32.1140, -14.9584

Details

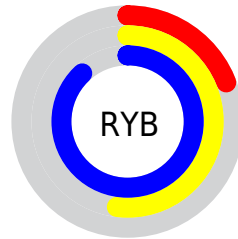
The XYZ color **37.2770, 51.1465, 78.4286** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.1866, 19.8514, 4.9898**, and the grayscale version is **34.3731, 36.1632, 39.3817**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **18.5527, 25.6470, 41.5087** is the 20% darker color. If you saturate the color by 10%, you get **35.9570, 49.7306, 78.2258**, and if you desaturate by 10%, it is **39.1429, 52.8555, 78.6611**.

Distribution



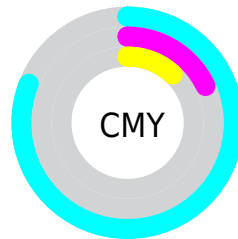
- Red (19%)
- Green (82%)
- Blue (88%)



- Red (19%)
- Yellow (52%)
- Blue (88%)



- Cyan (78%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (81%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2770, 51.1465, 78.4286 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 37.2770, 51.1465, 78.4286 by changing the saturation by 10% instead.

37.2770, 51.1465,
78.4286

37.2770, 51.1465,
78.4286

325.8430,
391.1327, 509.1876

25.5967, 36.3252,
57.9076

70.3097, 91.8713,
132.9455

16.6533, 24.6855,
41.3202

92.3928, 118.5436,
167.7785

10.0814, 15.8429,
28.2477

118.6741,
149.9350, 208.2192

5.5156, 9.4130,
18.2718

149.5192,
186.4299, 254.6862

2.5907, 5.0116,
10.9739

185.2932,
228.4128, 307.5979

0.9412, 2.2540,
5.9353

226.3616,

0.0000, 0.7492,

276.2679, 367.3731

2.7376

273.0898,
330.3798, 434.4301

■ 0.0000, 0.0000,
0.9623

■ 0.0000, 0.0000,
0.0000

■ 37.2770, 51.1465,
78.4286

■ 37.2770, 51.1465,
78.4286

■ 35.9570, 49.7306,
78.2258

■ 39.1429, 52.8555,
78.6611

■ 35.0782, 48.5506,
78.0444

■ 41.6200, 54.8882,
78.9229

■ 34.9341, 48.3406,
78.0115

■ 44.7694, 57.2771,
79.2180

■ 48.6437, 60.0493,
79.5489

■ 53.2900, 63.2293,
79.9178

■ 58.7515, 66.8392,
80.3267

■ 65.0682, 70.8998,
80.7776

■ 72.2775, 75.4304,
81.2721

■ 80.4145, 80.4491,
81.8119

Harmonies

Analogous

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



35.7311, 51.1465, 55.4934



37.2770, 51.1465, 78.4286



41.7884, 51.1465, 98.7997

Triad

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



37.2770, 51.1465, 78.4286



61.9613, 51.1465, 78.8575



48.6819, 51.1465, 24.0782

Complementary

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



37.2770, 51.1465, 78.4286



33.1866, 19.8514, 4.9898

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.



56.1433, 51.1465, 27.3969



37.2770, 51.1465, 78.4286



64.2700, 51.1465, 55.8868

Square

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



37.2770, 51.1465, 78.4286



56.0125, 51.1465, 99.0883



62.0421, 51.1465, 37.8350



41.8961, 51.1465, 27.2745

Rectangle

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



37.2770, 51.1465, 78.4286



46.1194, 51.1465, 106.1608



62.0421, 51.1465, 37.8350



51.1953, 51.1465, 24.4536

Sweetspot

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



37.2786, 51.1484, 78.4298



74.9793, 87.1491, 107.4774



28.8373, 54.3310, 13.7575



15.4944, 18.2850, 22.9627



0.0000, 0.0000, 0.0000



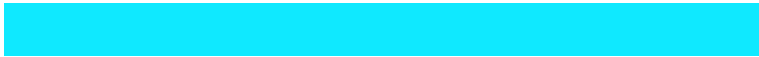
20.3446, 21.4041, 23.3091

Same Dimension

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



37.2786, 51.1484, 78.4298



47.4149, 65.6501, 104.7805



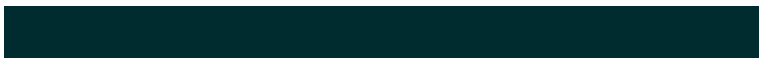
21.6724, 19.9359, 73.2278



14.0038, 15.3468, 17.6118



20.3787, 28.2269, 45.4226



1.4443, 2.0200, 3.1590

Inverse Universe

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



43.2253, 22.5995, 61.7603



56.1352, 27.4982, 79.5036



42.3766, 38.2315, 8.0532



14.2382, 13.9129, 17.0243



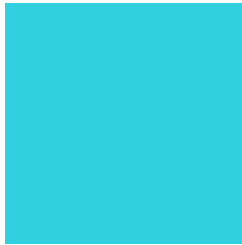
24.2264, 11.7576, 34.1877



1.6953, 0.8214, 2.4541

Previews

White Background



This preview shows how the XYZ color 37.2770, 51.1465, 78.4286 looks on a white background.

Color Contrast Check

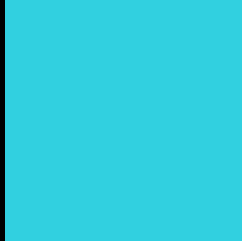
Large Text (above 18pt) WCAG AA × Fail

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 37.2770, 51.1465, 78.4286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

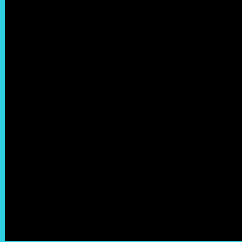
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2770, 51.1465, 78.4286

Background



This preview shows how black text looks on a background with the XYZ color 37.2770, 51.1465, 78.4286.



This preview shows how white text looks on a background with the XYZ color 37.2770, 51.1465,

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

37.2770, 51.1465, 78.4286

Protanopia

49.4108, 50.5081, 68.1176

Deuteranopia

51.2909, 50.2524, 81.1251



Tritanopia

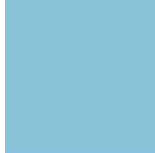
37.4619, 51.2261, 79.1473

Trichromacy



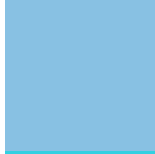
Original Color

37.2770, 51.1465, 78.4286



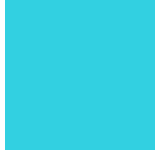
Protanomaly

41.9342, 49.1708, 71.5707



Deuteranomaly

43.0884, 48.9202, 79.8446



Tritanomaly

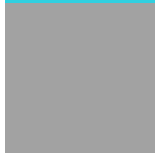
37.4619, 51.2261, 79.1473

Monochromacy



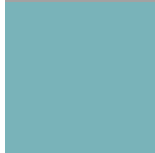
Original Color

37.2770, 51.1465, 78.4286



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.7622, 39.8079, 51.8559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2770, 51.1465, 78.4286 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(49, 208, 224)` looks like.

```
.text, #text, p{  
    color:rgb(49, 208, 224)  
}
```

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(49, 208, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 208, 224) }
```

Border

The CSS property to change the border of an element to XYZ 37.2770, 51.1465, 78.4286 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(49, 208, 224) }
```


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

```
.border{ border-color:rgb(49, 208, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 208, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 208, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 208, 224);  
box-shadow:4px 4px 4px 4px rgb(49, 208,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2770, 51.1465, 78.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 208, 224) }
```

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

```
.background{ background-color: rgb(49, 208,  
224) }
```

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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