

Converting Colors

XYZ(37.0158, 50.3331, 78.9995)

Have a look what the booklet for
XYZ(37.0158, 50.3331, 78.9995)
contains.

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Color

**XYZ(36.9773, 50.2570,
78.9858)**

Conversions

Conversions Part 1

Format	Color
Hex	32CEE1
RGB	50, 206, 225
RGB Percent	20%, 81%, 88%
CMY	0.8039, 0.1921, 0.1176
CMYK	0.78, 0.08, 0.00, 0.12
HSL	187°, 74%, 54%
HSV	187°, 78%, 88%
XYZ	36.9773, 50.2570, 78.9858
YIQ	161.5220, -99.0750, -27.1630

Conversions

Conversions Part 2

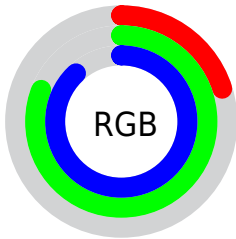
Format	Color
R _{YB}	50, 132, 225
Decimal	3329761
CIE Lab	76.23, -32.52, -20.69
CIE LCh	76, 38.546, 212.469
Yxy	50.2570, 0.2225, 0.3024
Android (android.graphics.Color)	4281519841 (0xFF32CEE1)
YUV	161.5220, 31.2947, -97.8048
Hunter-Lab	70.8922, -30.9558, -16.4345

Details

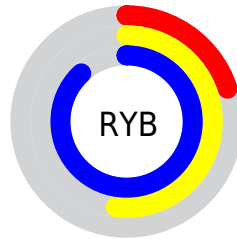
The XYZ color **36.9773, 50.2570, 78.9858** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.7566, 20.4959, 5.1961**, and the grayscale version is **34.0135, 35.7849, 38.9697**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **18.3223, 25.0355, 41.8969** is the 20% darker color. If you saturate the color by 10%, you get **35.5450, 48.6533, 78.7527**, and if you desaturate by 10%, it is **38.9665, 52.1633, 79.2499**.

Distribution



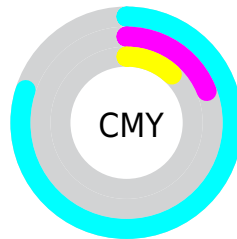
- Red (20%)
- Green (81%)
- Blue (88%)



- Red (20%)
- Yellow (52%)
- Blue (88%)



- Cyan (78%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)



- Cyan (80%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9773, 50.2570, 78.9858 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 36.9773, 50.2570, 78.9858 by changing the saturation by 10% instead.

36.9773, 50.2570,
78.9858

36.9773, 50.2570,
78.9858

324.5695,
387.6701, 511.1247

25.3635, 35.6176,
58.3629

69.8519, 90.5555,
133.7374

16.4783, 24.1390,
41.6838

91.8435, 116.9835,
168.7031

9.9562, 15.4368,
28.5301

118.0250,
148.1098, 209.2868

5.4320, 9.1265,
18.4831

148.7618,
184.3189, 255.9071

2.5402, 4.8238,
11.1244

184.4193,
225.9950, 308.9825

0.9156, 2.1442,
6.0353

225.3629,

0.0000, 0.6893,

273.5227, 368.9315

2.7974

271.9578,
327.2862, 436.1727

■ 0.0000, 0.0000,
0.9922

■ 0.0000, 0.0000,
0.0000

■ 36.9773, 50.2570,
78.9858

■ 36.9773, 50.2570,
78.9858

■ 35.5450, 48.6533,
78.7527

■ 38.9665, 52.1633,
79.2499

■ 34.5676, 47.2967,
78.5424

■ 41.5782, 54.4032,
79.5446

■ 34.3780, 47.0108,
78.4972

■ 44.8739, 57.0094,
79.8739

■ 48.9065, 60.0092,
80.2404

■ 53.7236, 63.4272,
80.6462

■ 59.3687, 67.2859,
81.0935

■ 65.8821, 71.6063,
81.5841

■ 73.3016, 76.4077,
82.1198

■ 81.6627, 81.7085,
82.7023

Harmonies

Analogous

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



35.1867, 50.2570, 56.4533



36.9773, 50.2570, 78.9858



41.6284, 50.2570, 98.1396

Triad

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



36.9773, 50.2570, 78.9858



61.1795, 50.2570, 75.2544



47.1718, 50.2570, 23.8145

Complementary

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



36.9773, 50.2570, 78.9858



33.7566, 20.4959, 5.1961

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.



54.4829, 50.2570, 26.4746



36.9773, 50.2570, 78.9858



63.0386, 50.2570, 53.0251

Square

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



36.9773, 50.2570, 78.9858



55.6224, 50.2570, 95.6311



60.4764, 50.2570, 36.0172



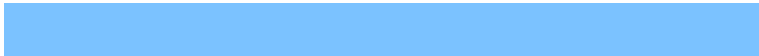
40.6898, 50.2570, 27.5451

Rectangle

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



36.9773, 50.2570, 78.9858



45.9695, 50.2570, 104.4142



60.4764, 50.2570, 36.0172



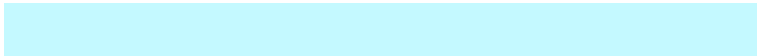
49.6123, 50.2570, 23.9909

Sweetspot

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



36.9789, 50.2588, 78.9870



74.6683, 86.5271, 107.3737



29.2702, 54.9410, 14.4532



15.4177, 18.1317, 22.9371



0.0000, 0.0000, 0.0000



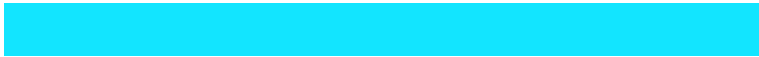
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9789, 50.2588, 78.9870



46.3860, 63.5258, 104.4246



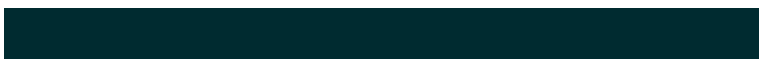
21.6244, 19.5498, 73.8689



13.9828, 15.3048, 17.6048



19.8627, 27.1949, 45.2506



1.4136, 1.9587, 3.1488

Inverse Universe

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



43.3339, 22.7465, 60.5010



55.6321, 27.3590, 76.6626



43.3502, 39.6830, 8.3940



14.2276, 13.9087, 16.9685



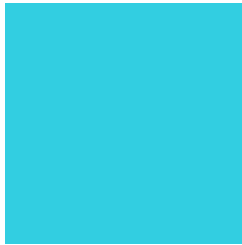
23.9660, 11.6534, 32.8161



1.6798, 0.8152, 2.3726

Previews

White Background



This preview shows how the XYZ color 36.9773, 50.2570, 78.9858 looks on a white background.

Color Contrast Check

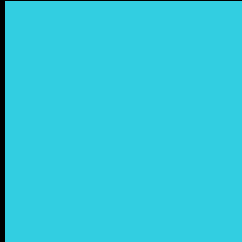
Large Text (above 18pt) WCAG AA × Fail

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 36.9773, 50.2570, 78.9858 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

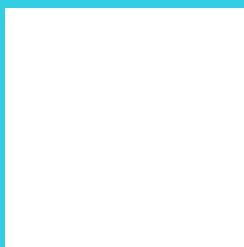
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9773, 50.2570, 78.9858

Background



This preview shows how black text looks on a background with the XYZ color 36.9773, 50.2570, 78.9858.



This preview shows how white text looks on a background with the XYZ color 36.9773, 50.2570,

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

36.9773, 50.2570, 78.9858

Protanopia

48.3982, 49.3462, 68.6019

Deuteranopia

50.5078, 49.5252, 81.7602



Tritanopia

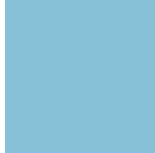
36.6095, 50.0987, 77.5525

Trichromacy



Original Color

36.9773, 50.2570, 78.9858



Protanomaly

41.2962, 48.1661, 72.0862



Deuteranomaly

42.4659, 47.9314, 80.4123



Tritanomaly

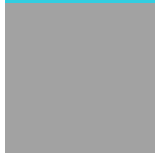
36.7925, 50.1774, 78.2670

Monochromacy



Original Color

36.9773, 50.2570, 78.9858



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.5625, 39.4085, 51.7893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9773, 50.2570, 78.9858 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(50, 206, 225)` looks like.

```
.text, #text, p{  
    color:rgb(50, 206, 225)  
}
```

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(50, 206, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 206, 225) }
```

Border

The CSS property to change the border of an element to XYZ 36.9773, 50.2570, 78.9858 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(50, 206, 225) }
```


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

```
.border{ border-color:rgb(50, 206, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 206, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 206, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 206, 225);  
box-shadow:4px 4px 4px 4px rgb(50, 206,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9773, 50.2570, 78.9858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 206, 225) }
```

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

```
.background{ background-color: rgb(50, 206,  
225) }
```

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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