

Converting Colors

XYZ(29.2968, 45.5115, 73.4989)

Have a look what the booklet for
XYZ(29.2968, 45.5115, 73.4989)
contains.

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Color

**XYZ(34.0108, 47.7738,
73.7584)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBDA
RGB	0, 203, 218
RGB Percent	0%, 80%, 85%
CMY	0.9998, 0.2039, 0.1451
CMYK	1.00, 0.07, 0.00, 0.15
HSL	184°, 100%, 43%
HSV	184°, 100%, 85%
XYZ	34.0108, 47.7738, 73.7584
YIQ	144.0130, -125.8030, -38.3710

Conversions

Conversions Part 2

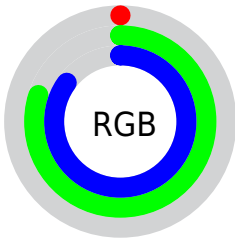
Format	Color
RYB	0, 105, 218
Decimal	52186
CIELab	74.68, -35.90, -19.30
CIELCh	75, 40.757, 208.266
Yxy	47.7738, 0.2187, 0.3071
Android (android.graphics.Color)	4278242266 (0xFF00CBDA)
YUV	144.0130, 36.4756, -126.2994
Hunter-Lab	69.1186, -33.1240, -14.8870

Details

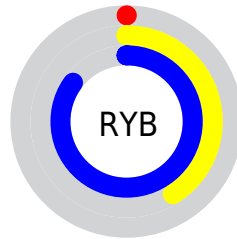
The XYZ color **34.0108, 47.7738, 73.7584** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.0857, 15.2488, 1.4118**, and the grayscale version is **26.4153, 27.7910, 30.2644**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.2008, 23.8242, 38.3423** is the 20% darker color. If you saturate the color by 10%, you get **34.0108, 47.7735, 73.7593**, and if you desaturate by 10%, it is **34.6953, 48.6561, 73.8935**.

Distribution



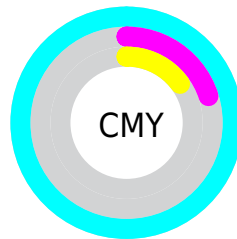
- Red (0%)
- Green (80%)
- Blue (85%)



- Red (0%)
- Yellow (41%)
- Blue (85%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0108, 47.7738, 73.7584 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 34.0108, 47.7738, 73.7584 by changing the saturation by 10% instead.

34.0108, 47.7738,
73.7584

34.0108, 47.7738,
73.7584

311.7653,
377.8948, 492.7802

23.0648, 33.6478,
54.1007

65.2946, 86.8675,
126.2841

14.7623, 22.6232,
38.2885

86.3632, 112.6040,
159.9893

8.7380, 14.3155,
25.9031

111.5367,
142.9795, 199.2140

4.6264, 8.3404,
16.5260

141.1805,
178.3783, 244.3769

2.0623, 4.3135,
9.7388

175.6598,
219.1848, 295.8964

0.6686, 1.8505,
5.1228

215.3402,

0.0000, 0.5183,

265.7835, 354.1911

2.2595

260.5869,
318.5587, 419.6795

■ 0.0000, 0.0000,
0.7084

■ 0.0000, 0.0000,
0.0000

■ 34.0108, 47.7738,
73.7584

■ 34.0108, 47.7738,
73.7584

■ 34.0108, 47.7735,
73.7593

■ 34.6953, 48.6561,
73.8935

■ 35.7510, 49.7340,
74.0459

■ 37.3001, 51.0713,
74.2224

■ 39.4105, 52.7031,
74.4262

■ 42.1394, 54.6590,
74.6599

■ 45.5368, 56.9646,
74.9258

■ 49.6478, 59.6432,
75.2262

■ 54.5133, 62.7160,
75.5628

■ 60.1713, 66.2025,
75.9376

Harmonies

Analogous

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



32.6381, 47.7738, 50.7964



34.0108, 47.7738, 73.7584



38.3387, 47.7738, 94.8536

Triad

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



34.0108, 47.7738, 73.7584



58.5914, 47.7738, 76.4821



45.8387, 47.7738, 21.0307

Complementary

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



34.0108, 47.7738, 73.7584



29.0857, 15.2488, 1.4118

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.



53.2959, 47.7738, 24.5231



34.0108, 47.7738, 73.7584



61.1365, 47.7738, 53.2582

Square

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



34.0108, 47.7738, 73.7584



52.4719, 47.7738, 96.7027



59.1022, 47.7738, 35.0332



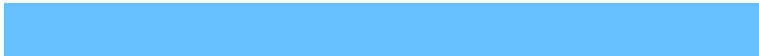
39.0076, 47.7738, 23.7850

Rectangle

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



34.0108, 47.7738, 73.7584



42.5797, 47.7738, 102.8784



59.1022, 47.7738, 35.0332



48.3579, 47.7738, 21.4887

Sweetspot

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



34.0123, 47.7755, 73.7596



70.6285, 84.9512, 107.2824



25.1557, 50.1772, 8.7958



14.5589, 17.8223, 22.9227



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.



34.0123, 47.7755, 73.7596



48.4651, 68.0503, 105.1884



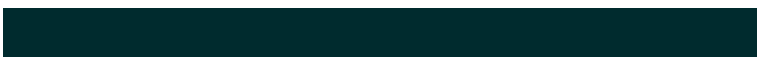
16.7027, 13.1564, 67.9897



13.3642, 14.6681, 16.7790



20.4083, 28.6860, 44.1997



1.3457, 1.9055, 2.8713

Inverse Universe

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



39.6942, 19.2187, 58.1191



56.5922, 27.4009, 82.7734



36.0663, 29.2102, 3.7387



13.5737, 13.2586, 16.2822



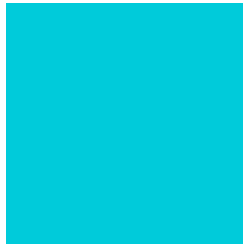
23.7965, 11.5196, 34.9039



1.5535, 0.7510, 2.3238

Previews

White Background



This preview shows how the XYZ color 34.0108, 47.7738, 73.7584 looks on a white background.

Color Contrast Check

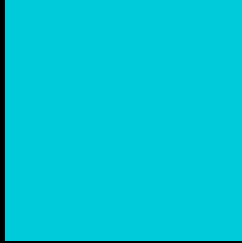
Large Text (above 18pt) WCAG AA × Fail

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 34.0108, 47.7738, 73.7584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

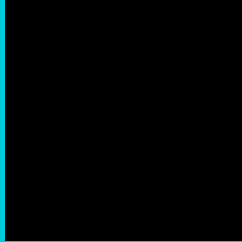
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

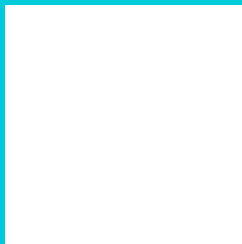
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0108, 47.7738, 73.7584

Background



This preview shows how black text looks on a background with the XYZ color 34.0108, 47.7738, 73.7584.

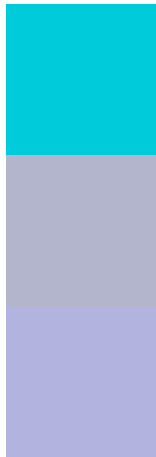


This preview shows how white text looks on a background with the XYZ color 34.0108, 47.7738,

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

34.0108, 47.7738, 73.7584

Protanopia

46.0134, 46.9911, 63.7718

Deuteranopia

48.0298, 47.1516, 76.3818



Tritanopia

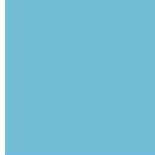
34.3081, 47.9119, 74.4575

Trichromacy



Original Color

34.0108, 47.7738, 73.7584



Protanomaly

36.6456, 44.5760, 66.9942



Deuteranomaly

37.9738, 44.7643, 75.0456



Tritanomaly

34.2423, 47.8780, 74.4544

Monochromacy



Original Color

34.0108, 47.7738, 73.7584



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.2195, 32.1259, 43.3998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0108, 47.7738, 73.7584 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, 203, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 218)  
}
```

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, 203, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 218) }
```

Border

The CSS property to change the border of an element to XYZ 34.0108, 47.7738, 73.7584 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, 203, 218) }
```


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

```
.border{ border-color:rgb(0, 203, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 203, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 203, 218); box-shadow:4px 4px 4px 4px rgb(0, 203, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0108, 47.7738, 73.7584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 218) }
```

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

```
.background{ background-color: rgb(0, 203,  
218) }
```

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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