

Converting Colors

XYZ(49.0400, 75.6144, 82.1687)

Have a look what the booklet for
XYZ(49.0400, 75.6144, 82.1687)
contains.

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Color

**XYZ(48.8228, 75.3058,
81.7743)**

Conversions

Conversions Part 1

Format	Color
Hex	23FCDF
RGB	35, 252, 223
RGB Percent	14%, 99%, 87%
CMY	0.8627, 0.0117, 0.1255
CMYK	0.86, 0.00, 0.12, 0.01
HSL	172°, 97%, 56%
HSV	172°, 86%, 99%
XYZ	48.8228, 75.3058, 81.7743
YIQ	183.8110, -120.0230, -55.0230

Conversions

Conversions Part 2

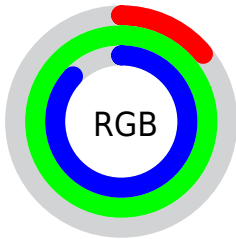
Format	Color
RYB	35, 151, 252
Decimal	2358495
CIELab	89.54, -54.46, 0.16
CIELCh	90, 54.463, 179.828
Yxy	75.3058, 0.2371, 0.3657
Android (android.graphics.Color)	4280548575 (0xFF23FCDF)
YUV	183.8110, 19.3202, -130.5072
Hunter-Lab	86.7789, -51.4370, 4.8745

Details

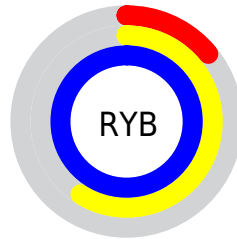
The XYZ color **48.8228, 75.3058, 81.7743** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **41.6739, 22.2698, 6.9559**, and the grayscale version is **45.4042, 47.7687, 52.0201**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **26.3597, 41.4107, 43.6496** is the 20% darker color. If you saturate the color by 10%, you get **47.8043, 74.8345, 79.3810**, and if you desaturate by 10%, it is **50.4668, 76.1021, 84.2474**.

Distribution



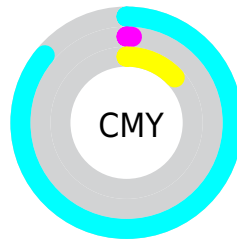
- Red (14%)
- Green (99%)
- Blue (87%)



- Red (14%)
- Yellow (59%)
- Blue (99%)



- Cyan (86%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)





- Cyan (86%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8228, 75.3058, 81.7743 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 48.8228, 75.3058, 81.7743 by changing the saturation by 10% instead.


 48.8228, 75.3058,
81.7743


 48.8228, 75.3058,
81.7743


372.5728,
478.9680, 520.7560


 34.6929, 55.8634,
60.6448


 87.6305, 126.7451,
137.6913


 23.5918, 40.0935,
43.5099


 113.0390,
159.5109, 173.3158

 15.1542, 27.6114,
29.9510


 142.9378,
197.4866, 214.6092

 9.0147, 18.0329,
19.5497

 177.6922,
241.0567, 261.9898

 4.8080, 10.9736,
11.8873

217.6675,
290.6054, 315.8762

 2.1686, 6.0491,
6.5454

263.2292,

 0.7261, 2.8750,

346.5173, 376.6871

3.1053

314.7425,
409.1767, 444.8408

■ 0.0000, 1.0668,
1.1487

■ 0.0000, 0.0000,
0.0000

■ 48.8228, 75.3058,
81.7743

■ 48.8228, 75.3058,
81.7743

■ 47.8043, 74.8345,
79.3810


■ 50.4668, 76.1021,
84.2474


■ 47.5086, 74.7020,
78.4652

■ 52.8425, 77.2727,
86.8005


■ 56.0429, 78.8675,
89.4399

■ 60.1455, 80.9263,
92.1695

 65.2189, 83.4845,
94.9928

 71.3251, 86.5741,
97.9128

 78.5207, 90.2241,
100.9326

 86.8582, 94.4618,
104.0548

 93.8317, 97.9952,
107.1624

Harmonies

Analogous

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



51.5716, 75.3058, 50.2782



48.8228, 75.3058, 81.7743



51.5096, 75.3058, 124.3396

Triad

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



48.8228, 75.3058, 81.7743



85.1397, 75.3058, 163.8887



85.2899, 75.3058, 33.3935

Complementary

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



48.8228, 75.3058, 81.7743



41.6739, 22.2698, 6.9559

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.



96.2751, 75.3058, 50.5551



48.8228, 75.3058, 81.7743



96.1810, 75.3058, 124.8457

Square

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



48.8228, 75.3058, 81.7743



71.4987, 75.3058, 179.8573



100.4848, 75.3058, 82.2165



71.6531, 75.3058, 28.2075

Rectangle

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



48.8228, 75.3058, 81.7743



56.2397, 75.3058, 152.1018



100.4848, 75.3058, 82.2165



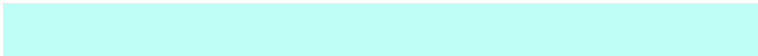
89.4737, 75.3058, 37.6223

Sweetspot

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



48.8250, 75.3087, 81.7761



73.3277, 88.9628, 100.6069



37.4691, 70.9581, 13.3132



15.2026, 18.7922, 21.3090



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.



48.8250, 75.3087, 81.7761



48.8001, 76.7360, 80.5881



33.8021, 38.4603, 97.7406



17.6601, 19.5663, 21.6768



24.7870, 38.9278, 41.0829



2.3225, 3.6161, 3.9461

Inverse Universe

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



41.6739, 22.2698, 6.9559



41.5299, 21.3760, 3.4568



46.1305, 32.1788, 5.3715



17.3390, 17.2630, 18.3752



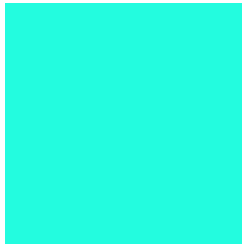
21.0898, 10.8516, 1.9153



1.9816, 1.0164, 0.3266

Previews

White Background



This preview shows how the XYZ color 48.8228, 75.3058, 81.7743 looks on a white background.

Color Contrast Check

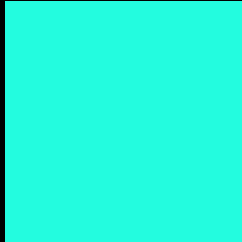
Large Text (above 18pt) WCAG AA × Fail

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 48.8228, 75.3058, 81.7743 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

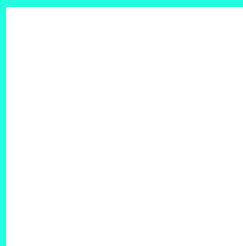
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8228, 75.3058, 81.7743

Background



This preview shows how black text looks on a background with the XYZ color 48.8228, 75.3058, 81.7743.

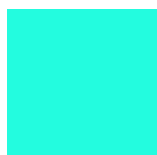


This preview shows how white text looks on a background with the XYZ color 48.8228, 75.3058,

Color Blindness Simulation

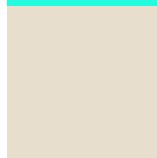
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.8228, 75.3058, 81.7743



Protanopia

70.2169, 73.6877, 68.9148



Deuteranopia

75.2553, 73.5820, 85.8377



Tritanopia

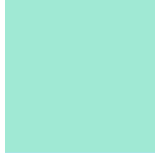
59.3634, 74.7744, 105.9119

Trichromacy



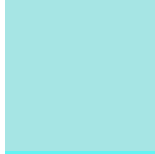
Original Color

48.8228, 75.3058, 81.7743



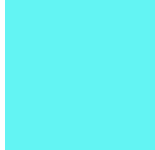
Protanomaly

55.5198, 70.5049, 72.9700



Deuteranomaly

57.7488, 69.7471, 83.8176



Tritanomaly

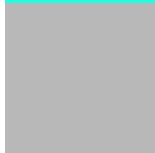
53.6739, 73.8251, 96.2148

Monochromacy



Original Color

48.8228, 75.3058, 81.7743



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.1994, 54.4240, 61.7068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8228, 75.3058, 81.7743 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(35, 252, 223)` looks like.

```
.text, #text, p{  
    color:rgb(35, 252, 223)  
}
```

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(35, 252, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 252, 223) }
```

Border

The CSS property to change the border of an element to XYZ 48.8228, 75.3058, 81.7743 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(35, 252, 223) }
```


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

```
.border{ border-color:rgb(35, 252, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 252, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 252, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 252, 223);  
box-shadow:4px 4px 4px 4px rgb(35, 252,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8228, 75.3058, 81.7743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 252, 223) }
```

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

```
.background{ background-color: rgb(35, 252,  
223) }
```

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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