

Converting Colors

XYZ(48.1986, 70.8599, 76.0210)

Have a look what the booklet for
XYZ(48.1986, 70.8599, 76.0210)
contains.

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Color

**XYZ(48.2830, 71.0375,
76.1326)**

Conversions

Conversions Part 1

Format	Color
Hex	56F3D8
RGB	86, 243, 216
RGB Percent	34%, 95%, 85%
CMY	0.6627, 0.0470, 0.1529
CMYK	0.65, 0.00, 0.11, 0.05
HSL	170°, 87%, 65%
HSV	170°, 65%, 95%
XYZ	48.2830, 71.0375, 76.1326
YIQ	192.9790, -84.9050, -41.6810

Conversions

Conversions Part 2

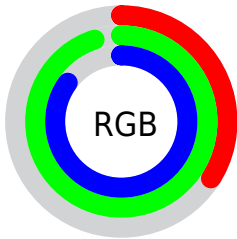
Format	Color
RYB	86, 172, 243
Decimal	5698520
CIELab	87.50, -47.18, 0.94
CIELCh	88, 47.191, 178.859
Yxy	71.0375, 0.2470, 0.3635
Android (android.graphics.Color)	4283888600 (0xFF56F3D8)
YUV	192.9790, 11.3494, -93.8206
Hunter-Lab	84.2837, -45.2406, 5.4426

Details

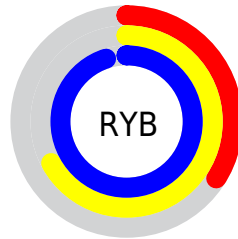
The XYZ color **48.2830, 71.0375, 76.1326** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **43.2729, 26.9044, 18.5376**, and the grayscale version is **50.6494, 53.2871, 58.0297**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **23.9919, 37.6910, 39.7288** is the 20% darker color. If you saturate the color by 10%, you get **45.8813, 69.8627, 73.2366**, and if you desaturate by 10%, it is **51.4627, 72.6152, 79.1399**.

Distribution



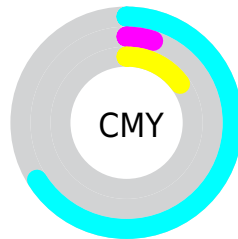
- Red (34%)
- Green (95%)
- Blue (85%)



- Red (34%)
- Yellow (67%)
- Blue (95%)



- Cyan (65%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)





- Cyan (66%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2830, 71.0375, 76.1326 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 48.2830, 71.0375, 76.1326 by changing the saturation by 10% instead.


 48.2830, 71.0375,
76.1326


 48.2830, 71.0375,
76.1326


370.4767,
464.1845, 501.1604


 34.2632, 52.3728,
56.0339


 86.8328, 120.6871,
129.6761


 23.2597, 37.3023,
39.8260


 112.0935,
152.4408, 163.9581

 14.9072, 25.4416,
27.0901


 141.8319,
189.3263, 203.8049

 8.8402, 16.4064,
17.4079

 176.4133,
231.7280, 249.6351

 4.6933, 9.8122,
10.3607

216.2032,
280.0303, 301.8672

 2.1014, 5.2746,
5.5300

261.5668,

 0.6900, 2.4093,

334.6175, 360.9197

2.4974

312.8695,
395.8741, 427.2113

■ 0.0000, 0.8307,
0.8388

■ 0.0000, 0.0000,
0.0000

■ 48.2830, 71.0375,
76.1326

■ 48.2830, 71.0375,
76.1326

■ 45.8813, 69.8627,
73.2366

■ 51.4627, 72.6152,
79.1399

■ 44.1706, 69.0409,
70.4427


■ 55.4839, 74.6233,
82.2572


■ 43.0541, 68.5239,
67.7472


■ 60.4103, 77.0965,
85.4897


■ 42.6191, 68.3305,
66.3305


■ 66.2977, 80.0635,
88.8405

 73.1975, 83.5508,
92.3125

 81.1574, 87.5829,
95.9083

 89.8126, 91.9719,
99.6115

 90.4590, 92.2304,
103.0152

 91.1198, 92.4948,
106.4953

Harmonies

Analogous

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



50.7908, 71.0375, 49.7567



48.2830, 71.0375, 76.1326



50.4388, 71.0375, 110.9058

Triad

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



48.2830, 71.0375, 76.1326



78.3974, 71.0375, 144.4965



79.2164, 71.0375, 35.8183

Complementary

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



48.2830, 71.0375, 76.1326



43.2729, 26.9044, 18.5376

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.



88.0760, 71.0375, 51.3501



48.2830, 71.0375, 76.1326



87.5678, 71.0375, 113.6181

Square

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



48.2830, 71.0375, 76.1326



67.0934, 71.0375, 156.3474



91.2860, 71.0375, 78.5758



67.9465, 71.0375, 30.7887

Rectangle

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



48.2830, 71.0375, 76.1326



54.3809, 71.0375, 133.3733



91.2860, 71.0375, 78.5758



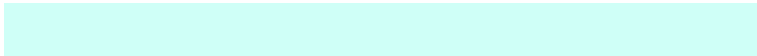
82.6191, 71.0375, 39.7283

Sweetspot

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



48.2850, 71.0403, 76.1343



78.1037, 91.4155, 101.2550



40.7743, 68.4061, 19.8601



16.2512, 19.3311, 21.4357



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.



48.2850, 71.0403, 76.1343



50.4198, 77.5730, 80.5764



39.1503, 46.7175, 91.7511



16.8672, 18.7060, 20.5849



23.4344, 37.5186, 36.6371



2.0912, 3.3101, 3.3863

Inverse Universe

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



43.2729, 26.9044, 18.5376



44.5177, 24.8415, 12.1905



47.4086, 37.2576, 13.4982



16.6154, 16.5290, 17.7214



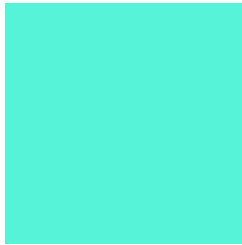
20.5471, 10.5623, 2.3234



1.8382, 0.9413, 0.3745

Previews

White Background



This preview shows how the XYZ color 48.2830, 71.0375, 76.1326 looks on a white background.

Color Contrast Check

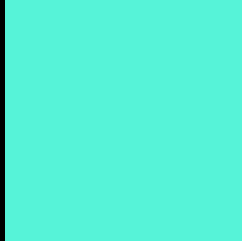
Large Text (above 18pt) WCAG AA × Fail

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 48.2830, 71.0375, 76.1326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

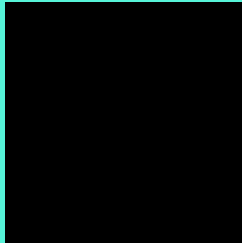
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

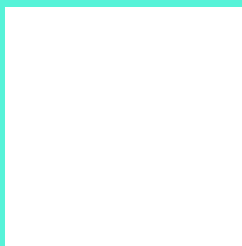
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2830, 71.0375, 76.1326

Background



This preview shows how black text looks on a background with the XYZ color 48.2830, 71.0375, 76.1326.

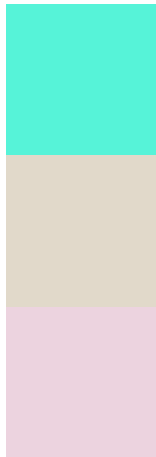


This preview shows how white text looks on a background with the XYZ color 48.2830, 71.0375,

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

48.2830, 71.0375, 76.1326

Protanopia

66.5249, 69.8975, 65.8625

Deuteranopia

71.2056, 69.7491, 79.5220



Tritanopia

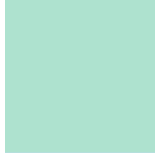
54.6010, 70.5904, 105.3553

Trichromacy



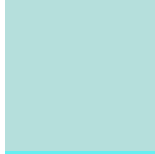
Original Color

48.2830, 71.0375, 76.1326



Protanomaly

55.9144, 67.8964, 69.1898



Deuteranomaly

58.3620, 67.7664, 77.7144



Tritanomaly

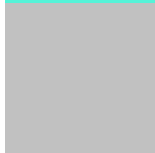
52.2232, 70.9087, 94.1534

Monochromacy



Original Color

48.2830, 71.0375, 76.1326



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.1633, 57.6756, 63.9051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2830, 71.0375, 76.1326 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(86, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(86, 243, 216)  
}
```

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(86, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 48.2830, 71.0375, 76.1326 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(86, 243, 216) }
```


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

```
.border{ border-color:rgb(86, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(86, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2830, 71.0375, 76.1326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 243, 216) }
```

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

```
.background{ background-color: rgb(86, 243,  
216) }
```

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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