

Converting Colors

XYZ(47.9338, 70.2605, 82.9868)

Have a look what the booklet for
XYZ(47.9338, 70.2605, 82.9868)
contains.

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Color

**XYZ(47.9338, 70.2605,
82.9868)**

Conversions

Conversions Part 1

Format	Color
Hex	45F2E2
RGB	69, 242, 226
RGB Percent	27%, 95%, 89%
CMY	0.7294, 0.0510, 0.1137
CMYK	0.71, 0.00, 0.07, 0.05
HSL	174°, 87%, 61%
HSV	174°, 71%, 95%
XYZ	47.9338, 70.2605, 82.9868
YIQ	188.4490, -97.9720, -41.6520

Conversions

Conversions Part 2

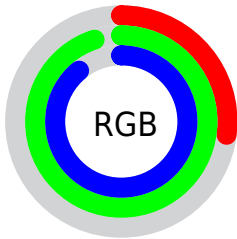
Format	Color
R_{YB}	69, 160, 242
Decimal	4584162
CIE _{Lab}	87.12, -46.51, -4.89
CIE _{LCh}	87, 46.769, 186.000
Yxy	70.2605, 0.2383, 0.3492
Android (android.graphics.Color)	4282774242 (0xFF45F2E2)
YUV	188.4490, 18.5126, -104.7568
Hunter-Lab	83.8215, -44.6115, -0.0245

Details

The XYZ color **47.9338, 70.2605, 82.9868** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.3881, 23.7913, 11.0601**, and the grayscale version is **47.9955, 50.4950, 54.9891**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **24.6996, 37.6382, 44.4912** is the 20% darker color. If you saturate the color by 10%, you get **46.2495, 69.4291, 81.3163**, and if you desaturate by 10%, it is **50.3257, 71.4594, 84.7145**.

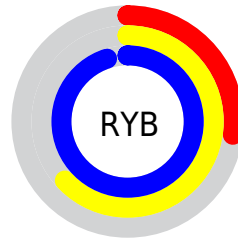
Distribution



Red (27%)

Green (95%)

Blue (89%)



Red (27%)

Yellow (63%)

Blue (95%)

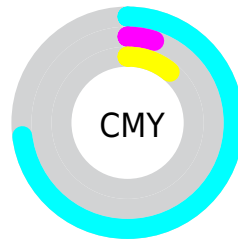


Cyan (71%)

Magenta (0%)

Yellow (7%)

Black (5%)



Cyan (73%)

Magenta (5%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9338, 70.2605, 82.9868 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 47.9338, 70.2605, 82.9868 by changing the saturation by 10% instead.


 47.9338, 70.2605,
82.9868


 47.9338, 70.2605,
82.9868


369.1166,
461.4641, 524.9124


 33.9855, 51.7389,
61.6387


 86.3161, 119.5802,
139.4060


 23.0453, 36.7970,
44.3069


 111.4809,
151.1471, 175.3143

 14.7478, 25.0504,
30.5729


 141.1151,
187.8312, 216.9130

 8.7278, 16.1146,
20.0181

 175.5842,
230.0169, 264.6207

 4.6197, 9.6053,
12.2240

215.2536,
278.0887, 318.8559

 2.0584, 5.1380,
6.7720

260.4885,

 0.6664, 2.3285,

332.4309, 380.0373

3.2437

311.6544,
393.4279, 448.5832

0.0000, 0.7887,
1.2204

0.0000, 0.0000,
0.0000

47.9338, 70.2605,
82.9868

47.9338, 70.2605,
82.9868

46.2495, 69.4291,
81.3163

50.3257, 71.4594,
84.7145


45.1755, 68.9102,
79.6937

53.4948, 73.0570,
86.4979


44.6211, 68.6537,
78.3452


57.5094, 75.0900,
88.3421

62.4284, 77.5887,
90.2497

 68.3056, 80.5809,
92.2234

 75.1905, 84.0921,
94.2656

 83.1292, 88.1461,
96.3785

 89.3088, 91.2928,
98.4306

 89.6507, 91.4295,
100.2310

Harmonies

Analogous

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



49.3153, 70.2605, 54.4803



47.9338, 70.2605, 82.9868



51.1374, 70.2605, 117.7548

Triad

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



47.9338, 70.2605, 82.9868



79.9526, 70.2605, 136.4728



75.7265, 70.2605, 33.5426

Complementary

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



47.9338, 70.2605, 82.9868



40.3881, 23.7913, 11.0601

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.



85.3269, 70.2605, 46.2212



47.9338, 70.2605, 82.9868



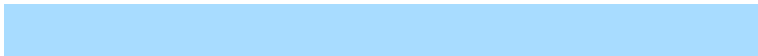
87.9476, 70.2605, 103.7774

Square

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



47.9338, 70.2605, 82.9868



69.0081, 70.2605, 153.6165



90.0145, 70.2605, 70.3637



64.6014, 70.2605, 30.7995

Rectangle

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



47.9338, 70.2605, 82.9868



55.6729, 70.2605, 138.2577



90.0145, 70.2605, 70.3637



79.2751, 70.2605, 36.5741

Sweetspot

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



47.9359, 70.2632, 82.9885



77.2312, 90.9050, 103.9567



36.6939, 65.9294, 16.4233



16.1117, 19.2440, 22.1175



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.



47.9359, 70.2632, 82.9885



51.4313, 77.8714, 90.7013



33.3888, 37.4893, 89.4838



16.1806, 17.9023, 19.9741



23.9972, 36.8909, 42.2297



2.0146, 3.0763, 3.6093

Inverse Universe

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



40.3881, 23.7913, 11.0601



42.5753, 22.7890, 5.8943



46.8119, 37.5441, 10.4111



15.8322, 15.7826, 16.6724



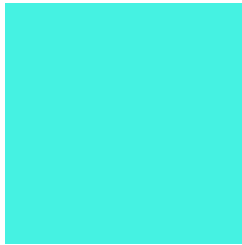
19.7725, 10.1814, 1.4527



1.6649, 0.8550, 0.2263

Previews

White Background



This preview shows how the XYZ color 47.9338, 70.2605, 82.9868 looks on a white background.

Color Contrast Check

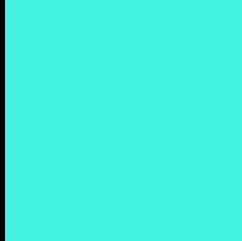
Large Text (above 18pt) WCAG AA × Fail

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 47.9338, 70.2605, 82.9868 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

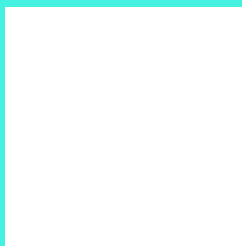
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9338, 70.2605, 82.9868

Background



This preview shows how black text looks on a background with the XYZ color 47.9338, 70.2605, 82.9868.

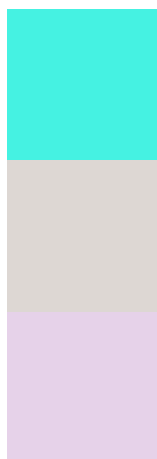


This preview shows how white text looks on a background with the XYZ color 47.9338, 70.2605,

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

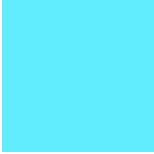
47.9338, 70.2605, 82.9868

Protanopia

65.8771, 68.6762, 71.4117

Deuteranopia

70.3877, 68.7994, 86.6606



Tritanopia

53.3712, 70.3850, 105.3805

Trichromacy



Original Color

47.9338, 70.2605, 82.9868



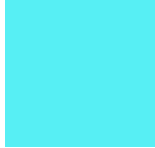
Protanomaly

55.0458, 66.9153, 74.9805



Deuteranomaly

57.1988, 66.6137, 84.7059



Tritanomaly

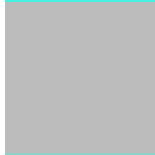
51.1261, 70.2909, 96.4608

Monochromacy



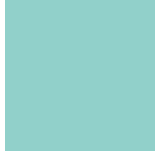
Original Color

47.9338, 70.2605, 82.9868



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.8936, 55.3958, 64.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9338, 70.2605, 82.9868 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(69, 242, 226)` looks like.

```
.text, #text, p{  
    color:rgb(69, 242, 226)  
}
```

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(69, 242, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 242, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.9338, 70.2605, 82.9868 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(69, 242, 226) }
```


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

```
.border{ border-color:rgb(69, 242, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 242, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(69, 242,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9338, 70.2605, 82.9868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 242, 226) }
```

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

```
.background{ background-color: rgb(69, 242,  
226) }
```

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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