

Converting Colors

XYZ(48.9490, 76.9252, 75.5153)

Have a look what the booklet for
XYZ(48.9490, 76.9252, 75.5153)
contains.

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Color

**XYZ(48.8970, 76.9049,
75.2178)**

Conversions

Conversions Part 1

Format	Color
Hex	2EFFD5
RGB	46, 255, 213
RGB Percent	18%, 100%, 84%
CMY	0.8195, 0.0000, 0.1647
CMYK	0.82, 0.00, 0.16, 0.00
HSL	168°, 100%, 59%
HSV	168°, 82%, 100%
XYZ	48.8970, 76.9049, 75.2178
YIQ	187.7210, -111.0820, -57.3700

Conversions

Conversions Part 2

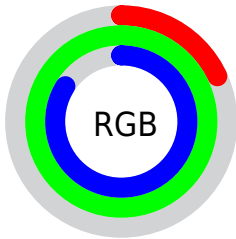
Format	Color
RYB	46, 162, 255
Decimal	3080149
CIELab	90.28, -57.46, 6.44
CIELCh	90, 57.816, 173.608
Yxy	76.9049, 0.2432, 0.3826
Android (android.graphics.Color)	4281270229 (0xFF2EFFD5)
YUV	187.7210, 12.4625, -124.2893
Hunter-Lab	87.6954, -53.9394, 10.5328

Details

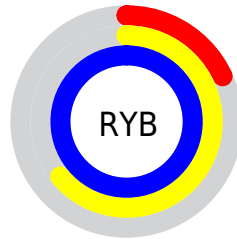
The XYZ color **48.8970, 76.9049, 75.2178** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.9796, 23.9200, 11.5345**, and the grayscale version is **47.6207, 50.1006, 54.5596**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **26.1378, 42.4011, 39.1544** is the 20% darker color. If you saturate the color by 10%, you get **47.4292, 76.2222, 71.8081**, and if you desaturate by 10%, it is **51.0680, 77.9478, 78.7704**.

Distribution



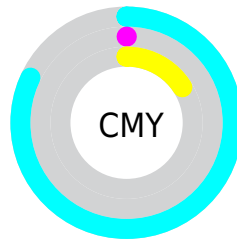
- Red (18%)
- Green (100%)
- Blue (84%)



- Red (18%)
- Yellow (64%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8970, 76.9049, 75.2178 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 48.8970, 76.9049, 75.2178 by changing the saturation by 10% instead.

 48.8970, 76.9049,
75.2178


 48.8970, 76.9049,
75.2178


372.8604,
484.4397, 497.9412


 34.7520, 57.1748,
55.2885


 87.7401, 129.0052,
128.3706

 23.6375, 41.1456,
39.2326


 113.1689,
162.1443, 162.4311

 15.1882, 28.4329,
26.6315


 143.0896,
200.5218, 202.0392

 9.0388, 18.6522,
17.0667

 177.8677,
244.5221, 247.6133

 4.8238, 11.4193,
10.1196

217.8685,
294.5297, 299.5721

 2.1779, 6.3496,
5.3717

263.4573,

 0.7311, 3.0588,

350.9289, 358.3339

2.4044

314.9995,
414.1041, 424.3175

■ 0.0000, 1.1625,
0.7889

■ 0.0000, 0.0308,
0.0000

■ 48.8970, 76.9049,
75.2178

■ 48.8970, 76.9049,
75.2178

■ 47.4292, 76.2222,
71.8081


■ 51.0680, 77.9478,
78.7704


■ 46.6297, 75.8679,
69.1589


■ 54.0446, 79.4035,
82.4677


■ 57.9151, 81.3177,
86.3159


■ 62.7552, 83.7292,
90.3198

 68.6325, 86.6730,
94.4832

 75.6084, 90.1807,
98.8101

 83.7398, 94.2815,
103.3040

 93.0791, 99.0026,
107.9682

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.0038, 76.9049, 44.9631



48.8970, 76.9049, 75.2178



50.5554, 76.9049, 119.6588

Triad

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



48.8970, 76.9049, 75.2178



84.7490, 76.9049, 179.3883



90.7769, 76.9049, 34.7654

Complementary

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



48.8970, 76.9049, 75.2178



43.9796, 23.9200, 11.5345

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.



101.5019, 76.9049, 55.8358



48.8970, 76.9049, 75.2178



97.7146, 76.9049, 140.1174

Square

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



48.8970, 76.9049, 75.2178



70.0575, 76.9049, 189.7879



104.1941, 76.9049, 92.8750



76.2207, 76.9049, 27.0840

Rectangle

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



48.8970, 76.9049, 75.2178



54.8315, 76.9049, 151.1657



104.1941, 76.9049, 92.8750



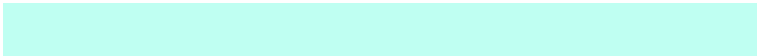
95.0229, 76.9049, 40.1016

Sweetspot

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



48.8979, 76.9054, 75.2192



73.3642, 89.0510, 97.4749



40.5970, 73.9566, 14.7218



15.1768, 18.7960, 20.5380



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.



48.8979, 76.9054, 75.2192



46.8167, 75.9500, 69.8105



38.8695, 47.1854, 101.6668



18.3892, 20.4152, 22.3525



24.4199, 39.6646, 36.4263



2.4155, 3.8771, 3.7459

Inverse Universe

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



43.9796, 23.9200, 11.5345



41.9927, 21.6496, 5.6204



46.8083, 31.6070, 6.2201



18.1586, 18.0468, 19.4524



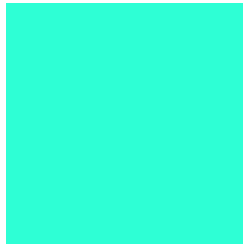
21.9057, 11.2516, 2.8879



2.1696, 1.1102, 0.4744

Previews

White Background



This preview shows how the XYZ color 48.8970, 76.9049, 75.2178 looks on a white background.

Color Contrast Check

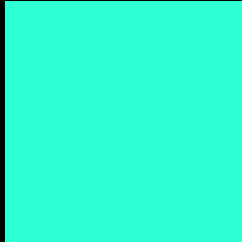
Large Text (above 18pt) WCAG AA × Fail

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 48.8970, 76.9049, 75.2178 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

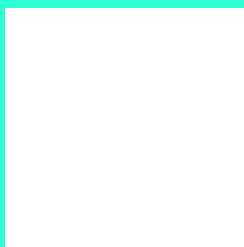
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8970, 76.9049, 75.2178

Background



This preview shows how black text looks on a background with the XYZ color 48.8970, 76.9049, 75.2178.

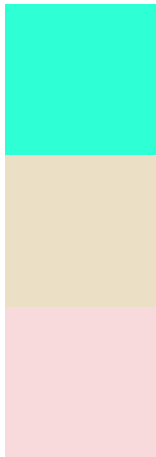


This preview shows how white text looks on a background with the XYZ color 48.8970, 76.9049,

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

48.8970, 76.9049, 75.2178

Protanopia

70.9946, 75.0047, 63.5589

Deuteranopia

76.8339, 75.3197, 78.8952



Tritanopia

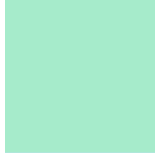
61.5379, 76.3336, 106.0982

Trichromacy



Original Color

48.8970, 76.9049, 75.2178



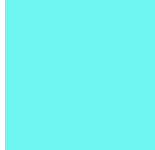
Protanomaly

56.2137, 71.8354, 67.4028



Deuteranomaly

58.9100, 71.3277, 76.9924



Tritanomaly

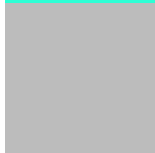
55.1144, 75.5178, 94.1096

Monochromacy



Original Color

48.8970, 76.9049, 75.2178



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.7749, 56.3524, 61.3933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8970, 76.9049, 75.2178 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(46, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 213)  
}
```

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(46, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 48.8970, 76.9049, 75.2178 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(46, 255, 213) }
```


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

```
.border{ border-color:rgb(46, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8970, 76.9049, 75.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 213) }
```

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

```
.background{ background-color: rgb(46, 255,  
213) }
```

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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