

Converting Colors

XYZ(49.1566, 70.7376, 87.3187)

Have a look what the booklet for
XYZ(49.1566, 70.7376, 87.3187)
contains.

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Color

**XYZ(49.2193, 70.8263,
87.4207)**

Conversions

Conversions Part 1

Format	Color
Hex	4BF2E8
RGB	75, 242, 232
RGB Percent	29%, 95%, 91%
CMY	0.7058, 0.0510, 0.0902
CMYK	0.69, 0.00, 0.04, 0.05
HSL	176°, 87%, 62%
HSV	176°, 69%, 95%
XYZ	49.2193, 70.8263, 87.4207
YIQ	190.9270, -96.3220, -38.5140

Conversions

Conversions Part 2

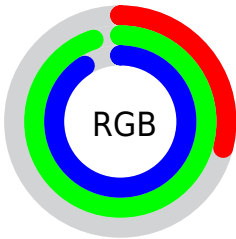
Format	Color
R_{YB}	75, 161, 242
Decimal	4977384
CIE Lab	87.40, -44.18, -7.61
CIE LCh	87, 44.827, 189.774
Yxy	70.8263, 0.2372, 0.3414
Android (android.graphics.Color)	4283167464 (0xFF4BF2E8)
YUV	190.9270, 20.2490, -101.6680
Hunter-Lab	84.1584, -42.8829, -2.6775

Details

The XYZ color **49.2193, 70.8263, 87.4207** 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 **40.7761, 24.5675, 11.1897**, and the grayscale version is **49.4079, 51.9809, 56.6072**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **25.1854, 37.8325, 47.0493** is the 20% darker color. If you saturate the color by 10%, you get **47.4695, 69.9496, 86.2699**, and if you desaturate by 10%, it is **51.6944, 72.0800, 88.6174**.

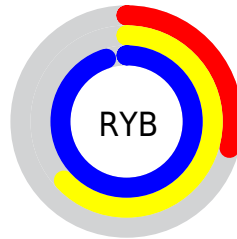
Distribution



Red (29%)

Green (95%)

Blue (91%)



Red (29%)

Yellow (63%)

Blue (95%)

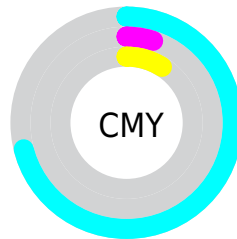


Cyan (69%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (71%)


Magenta (5%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2193, 70.8263, 87.4207 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 49.2193, 70.8263, 87.4207 by changing the saturation by 10% instead.


 49.2193, 70.8263,
87.4207


 49.2193, 70.8263,
87.4207


374.1077,
463.4460, 539.9563

 35.0087, 52.2005,
65.2818


 88.2158, 120.3864,
145.6544


 23.8361, 37.1649,
47.2368

 113.7325,
152.0894, 182.5863

 15.3362, 25.3352,
32.8672


 143.7486,
188.9202, 225.2863

 9.1435, 16.3270,
21.7545

 178.6295,
231.2633, 274.1729

 4.8928, 9.7558,
13.4800

218.7404,
279.5031, 329.6647

 2.2186, 5.2374,
7.6253

264.4469,

 0.7525, 2.3872,

334.0238, 392.1801

3.7718

316.1142,
395.2100, 462.1379

■ 0.0000, 0.8193,
1.5010

■ 0.0000, 0.0000,
0.2187

■ 49.2193, 70.8263,
87.4207

■ 49.2193, 70.8263,
87.4207

■ 47.4695, 69.9496,
86.2699

■ 51.6944, 72.0800,
88.6174

■ 46.3522, 69.3971,
85.1560


■ 54.9615, 73.7402,
89.8586


■ 45.7389, 69.1042,
84.0745


■ 59.0870, 75.8426,
91.1487


■ 45.6887, 69.0806,
83.9679


■ 64.1283, 78.4170,
92.4907

 70.1381, 81.4905,
93.8870

 77.1649, 85.0881,
95.3398

 85.2540, 89.2331,
96.8513

 89.2613, 91.2737,
98.1808

 89.4818, 91.3619,
99.3421

Harmonies

Analogous

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



50.0007, 70.8263, 58.7035



49.2193, 70.8263, 87.4207



52.8824, 70.8263, 120.6424

Triad

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



49.2193, 70.8263, 87.4207



81.1674, 70.8263, 131.0254



74.5878, 70.8263, 34.3981

Complementary

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



49.2193, 70.8263, 87.4207



40.7761, 24.5675, 11.1897

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.



84.1678, 70.8263, 45.5670



49.2193, 70.8263, 87.4207



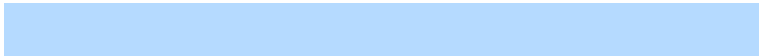
88.2334, 70.8263, 99.0289

Square

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



49.2193, 70.8263, 87.4207



70.8257, 70.8263, 149.8258



89.3855, 70.8263, 67.6580



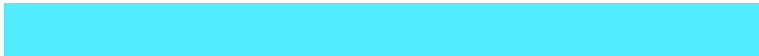
63.9286, 70.8263, 32.8216

Rectangle

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



49.2193, 70.8263, 87.4207



57.6017, 70.8263, 139.0932



89.3855, 70.8263, 67.6580



78.0703, 70.8263, 36.9833

Sweetspot

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



49.2214, 70.8290, 87.4224



77.5064, 91.0151, 105.4060



36.8745, 65.9998, 17.4542



16.1782, 19.2705, 22.4674



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.



49.2214, 70.8290, 87.4224



52.8467, 78.4715, 96.6206



33.2373, 36.5218, 89.3049



16.2041, 17.9117, 20.0977



24.5620, 37.1168, 45.2040



2.0557, 3.0927, 3.8255

Inverse Universe

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



40.7761, 24.5675, 11.1897



42.8311, 23.2991, 5.9845



48.3815, 40.3700, 11.9006



15.8112, 15.7742, 16.5619



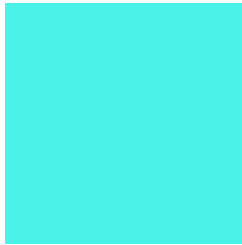
19.7319, 10.1652, 1.2386



1.6549, 0.8510, 0.1735

Previews

White Background



This preview shows how the XYZ color 49.2193, 70.8263, 87.4207 looks on a white background.

Color Contrast Check

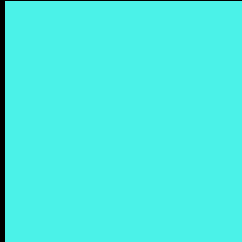
Large Text (above 18pt) WCAG AA × Fail

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 49.2193, 70.8263, 87.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

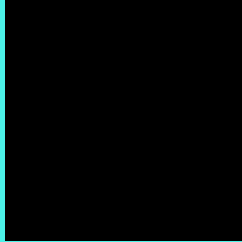
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

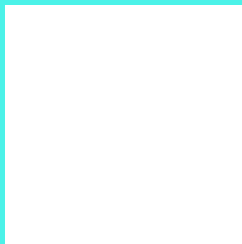
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2193, 70.8263, 87.4207

Background



This preview shows how black text looks on a background with the XYZ color 49.2193, 70.8263, 87.4207.

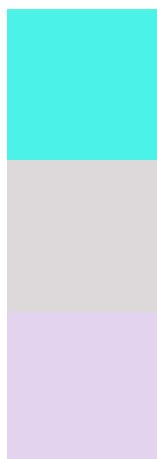


This preview shows how white text looks on a background with the XYZ color 49.2193, 70.8263,

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

49.2193, 70.8263, 87.4207

Protanopia

66.8990, 69.4936, 75.5333

Deuteranopia

70.8692, 69.3145, 91.3052



Tritanopia

54.0431, 70.7314, 105.4119

Trichromacy



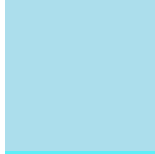
Original Color

49.2193, 70.8263, 87.4207



Protanomaly

56.2585, 67.4492, 79.1611



Deuteranomaly

58.2749, 67.0693, 89.2311



Tritanomaly

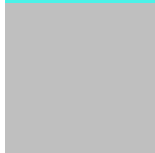
52.1692, 70.7756, 98.9071

Monochromacy



Original Color

49.2193, 70.8263, 87.4207



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.5816, 56.9390, 66.9277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2193, 70.8263, 87.4207 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(75, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(75, 242, 232)  
}
```

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(75, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 242, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.2193, 70.8263, 87.4207 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(75, 242, 232) }
```


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

```
.border{ border-color:rgb(75, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(75, 242,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2193, 70.8263, 87.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 242, 232) }
```

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

```
.background{ background-color: rgb(75, 242,  
232) }
```

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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