

# Converting Colors

XYZ(48.8420, 71.9520, 92.3320)

Have a look what the booklet for  
XYZ(48.8420, 71.9520, 92.3320)  
contains.

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# Color

**XYZ(48.7447, 71.8179,  
92.1821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22F5EE
RGB	34, 245, 238
RGB Percent	13%, 96%, 93%
CMY	0.8666, 0.0392, 0.0667
CMYK	0.86, 0.00, 0.03, 0.04
HSL	178°, 91%, 55%
HSV	178°, 86%, 96%
XYZ	48.7447, 71.8179, 92.1821
YIQ	181.1130, -123.5090, -46.9090

# Conversions

## Conversions Part 2

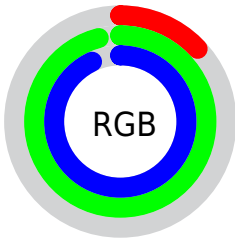
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 141, 245
Decimal	2291182
CIE <sub>Lab</sub>	87.88, -47.54, -10.10
CIE <sub>LCh</sub>	88, 48.602, 191.990
Y <sub>xy</sub>	71.8179, 0.2291, 0.3376
Android (android.graphics.Color)	4280481262 (0xFF22F5EE)
YUV	181.1130, 28.0453, -129.0181
Hunter-Lab	84.7454, -45.6332, -5.1711

# Details

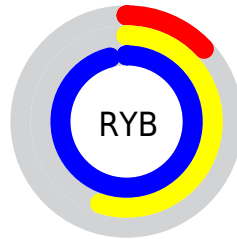
The XYZ color **48.7447, 71.8179, 92.1821** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.6308, 20.7189, 4.0633**, and the grayscale version is **43.8878, 46.1734, 50.2828**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **26.4267, 39.3438, 50.4573** is the 20% darker color. If you saturate the color by 10%, you get **48.0863, 71.4939, 91.5307**, and if you desaturate by 10%, it is **49.9817, 72.4434, 92.8667**.

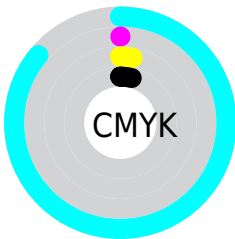
# Distribution



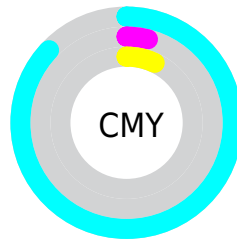
- Red (13%)
- Green (96%)
- Blue (93%)



- Red (13%)
- Yellow (55%)
- Blue (96%)



- Cyan (86%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)




- Cyan (87%)
- Magenta (4%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7447, 71.8179, 92.1821 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 48.7447, 71.8179, 92.1821 by changing the saturation by 10% instead.





 48.7447, 71.8179,  
92.1821


 48.7447, 71.8179,  
92.1821


372.2700,  
466.9075, 555.8561


 34.6307, 53.0099,  
69.2080


 87.5152, 121.7976,  
152.3276


 23.5437, 37.8107,  
50.4083


 112.9023,  
153.7381, 190.3362

 15.1184, 25.8358,  
35.3645


 142.7780,  
190.8249, 234.1933

 8.9894, 16.7008,  
23.6580

 177.5074,  
233.4425, 284.3175

 4.7913, 10.0214,  
14.8703

217.4559,  
281.9751, 341.1273

 2.1588, 5.4132,  
8.5828

262.9890,

 0.7209, 2.4917,

336.8072, 405.0413

4.3770

314.4719,  
398.3232, 476.4781

■ 0.0000, 0.8725,  
1.8343

■ 0.0000, 0.0000,  
0.4505

■ 48.7447, 71.8179,  
92.1821

■ 48.7447, 71.8179,  
92.1821

■ 48.0863, 71.4939,  
91.5307


■ 49.9817, 72.4434,  
92.8667


■ 47.9209, 71.4139,  
91.2818


■ 51.8959, 73.4163,  
93.5842


■ 54.5741, 74.7829,  
94.3402


■ 58.0885, 76.5807,  
95.1382

 62.5030, 78.8423,  
95.9812

 67.8754, 81.5978,  
96.8718

 74.2586, 84.8742,  
97.8126

 81.7016, 88.6970,  
98.8058

 90.2503, 93.0896,  
99.8536

# Harmonies

## Analogous

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



49.2289, 71.8179, 60.1207



48.7447, 71.8179, 92.1821



53.0367, 71.8179, 128.9852

# Triad

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



48.7447, 71.8179, 92.1821



84.2374, 71.8179, 135.6970



75.3663, 71.8179, 31.9368

# Complementary

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



48.7447, 71.8179, 92.1821



38.6308, 20.7189, 4.0633

# 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.



86.1505, 71.8179, 42.8729



48.7447, 71.8179, 92.1821



91.6567, 71.8179, 99.5768

# Square

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



48.7447, 71.8179, 92.1821



72.9835, 71.8179, 158.4590



92.3940, 71.8179, 65.7040



63.7463, 71.8179, 30.9938



# Rectangle

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



48.7447, 71.8179, 92.1821



58.3452, 71.8179, 148.9401



92.3940, 71.8179, 65.7040



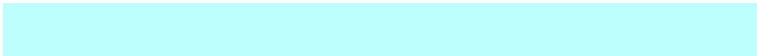
79.2405, 71.8179, 34.3844

# Sweetspot

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



48.7468, 71.8206, 92.1838



74.3696, 89.3796, 106.0936



33.8593, 65.8952, 12.4497



15.4543, 18.8929, 22.6346



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.



48.7468, 71.8206, 92.1838



52.4772, 78.2069, 99.9514



27.5058, 27.6600, 90.2782



16.9716, 18.7478, 21.1345



25.8259, 38.4752, 49.2305



2.2772, 3.3845, 4.3655



# Inverse Universe

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



38.6308, 20.7189, 4.0633



41.2864, 21.2785, 2.1741



46.2632, 36.1622, 6.0569



16.5214, 16.4914, 17.2264



20.3200, 10.4714, 1.1276

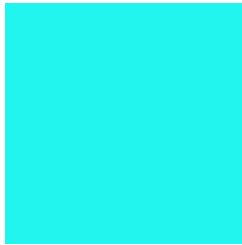


1.7936, 0.9234, 0.1396



# Previews

## White Background



This preview shows how the XYZ color 48.7447, 71.8179, 92.1821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

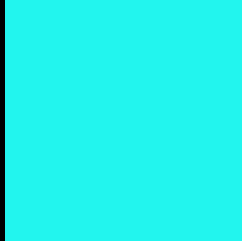
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7447, 71.8179, 92.1821 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

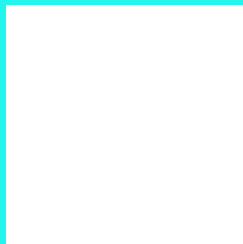
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 48.7447, 71.8179, 92.1821

## Background



This preview shows how black text looks on a background with the XYZ color 48.7447, 71.8179, 92.1821.



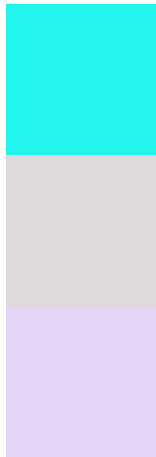
This preview shows how white text looks on a background with the XYZ color 48.7447, 71.8179,



# 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

48.7447, 71.8179, 92.1821

### Protanopia

67.6828, 70.2183, 78.3928

### Deuteranopia

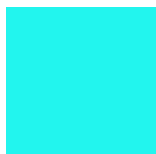
71.9542, 70.5120, 96.2040



## Tritanopia

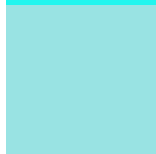
54.5684, 71.4332, 105.5197

# Trichromacy



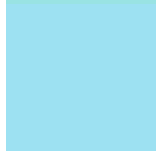
## Original Color

48.7447, 71.8179, 92.1821



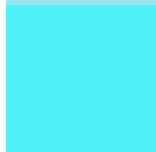
## Protanomaly

54.4711, 67.2565, 82.7839



## Deuteranomaly

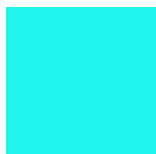
56.8569, 67.4293, 94.0229



## Tritanomaly

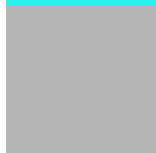
51.8624, 71.4556, 100.6814

# Monochromacy



## Original Color

48.7447, 71.8179, 92.1821



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

41.1556, 52.0392, 63.7526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7447, 71.8179, 92.1821 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(34, 245, 238)` looks like.

```
.text, #text, p{  
    color:rgb(34, 245, 238)  
}
```

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(34, 245, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 245, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7447, 71.8179, 92.1821 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(34, 245, 238) }
```



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

```
.border{ border-color:rgb(34, 245, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 245, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 245, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 245, 238);  
box-shadow:4px 4px 4px 4px rgb(34, 245,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7447, 71.8179, 92.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 245, 238) }
```

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

```
.background{ background-color: rgb(34, 245,  
238) }
```

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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