

Converting Colors

XYZ(47.8042, 71.3144, 88.9296)

Have a look what the booklet for
XYZ(47.8042, 71.3144, 88.9296)
contains.

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Color

**XYZ(47.9046, 71.4520,
89.1087)**

Conversions

Conversions Part 1

Format	Color
Hex	19F5EA
RGB	25, 245, 234
RGB Percent	10%, 96%, 92%
CMY	0.9018, 0.0392, 0.0823
CMYK	0.90, 0.00, 0.04, 0.04
HSL	177°, 92%, 53%
HSV	177°, 90%, 96%
XYZ	47.9046, 71.4520, 89.1087
YIQ	177.9660, -127.5890, -50.0610

Conversions

Conversions Part 2

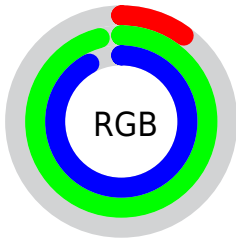
Format	Color
R _{YB}	25, 138, 245
Decimal	1701354
CIE _{Lab}	87.70, -49.09, -8.28
CIE _{LCh}	88, 49.785, 189.568
Yxy	71.4520, 0.2298, 0.3428
Android (android.graphics.Color)	4279891434 (0xFF19F5EA)
YUV	177.9660, 27.6248, -134.1512
Hunter-Lab	84.5293, -46.7664, -3.3316

Details

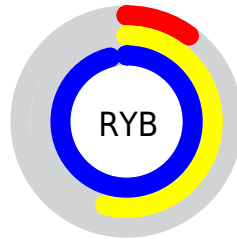
The XYZ color **47.9046, 71.4520, 89.1087** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.3247, 20.2373, 3.5580**, and the grayscale version is **42.2117, 44.4100, 48.3625**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **26.0191, 39.1808, 48.3108** is the 20% darker color. If you saturate the color by 10%, you get **47.3362, 71.1808, 88.1678**, and if you desaturate by 10%, it is **48.9742, 71.9846, 90.0826**.

Distribution



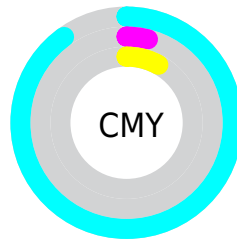
- Red (10%)
- Green (96%)
- Blue (92%)



- Red (10%)
- Yellow (54%)
- Blue (96%)



- Cyan (90%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (90%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9046, 71.4520, 89.1087 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 47.9046, 71.4520, 89.1087 by changing the saturation by 10% instead.


 47.9046, 71.4520,
89.1087


 47.9046, 71.4520,
89.1087


369.0027,
465.6320, 545.6223


 33.9623, 52.7111,
66.6721


 86.2729, 121.2771,
148.0244


 23.0274, 37.5722,
48.3583


 111.4296,
153.1301, 185.3406

 14.7345, 25.6509,
33.7487


 141.0551,
190.1227, 228.4537

 8.7184, 16.5626,
22.4248

 175.5148,
232.6391, 277.7823

 4.6136, 9.9231,
13.9681

215.1741,
281.0639, 333.7449

 2.0548, 5.3480,
7.9600

260.3983,

 0.6645, 2.4529,

335.7814, 396.7601

3.9819

311.5527,
397.1759, 467.2464

■ 0.0000, 0.8529,
1.6154

■ 0.0000, 0.0000,
0.3018

■ 47.9046, 71.4520,
89.1087

■ 47.9046, 71.4520,
89.1087

■ 47.3362, 71.1808,
88.1678


■ 48.9742, 71.9846,
90.0826


■ 47.3257, 71.1759,
88.1475


■ 50.6862, 72.8466,
91.0914


■ 53.1335, 74.0875,
92.1409


■ 56.3924, 75.7467,
93.2348

 60.5294, 77.8584,
94.3763

 65.6044, 80.4536,
95.5680

 71.6719, 83.5602,
96.8126

 78.7824, 87.2044,
98.1125

 86.9827, 91.4103,
99.4698

Harmonies

Analogous

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



48.7911, 71.4520, 57.2462



47.9046, 71.4520, 89.1087



51.8796, 71.4520, 126.9715

Triad

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



47.9046, 71.4520, 89.1087



83.4171, 71.4520, 139.4175



76.1465, 71.4520, 31.4084

Complementary

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



47.9046, 71.4520, 89.1087



38.3247, 20.2373, 3.5580

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.



86.9500, 71.4520, 43.3110



47.9046, 71.4520, 89.1087



91.4734, 71.4520, 102.7623

Square

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



47.9046, 71.4520, 89.1087



71.7550, 71.4520, 161.0872



92.8363, 71.4520, 67.4893



64.2106, 71.4520, 29.7009

Rectangle

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



47.9046, 71.4520, 89.1087



57.0556, 71.4520, 148.3618



92.8363, 71.4520, 67.4893



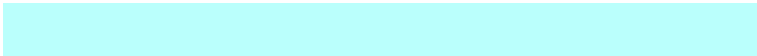
80.0672, 71.4520, 34.1413

Sweetspot

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



47.9067, 71.4547, 89.1104



73.5466, 88.9781, 105.0256



33.6926, 65.8224, 11.8507



15.2877, 18.8125, 22.3817



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.



47.9067, 71.4547, 89.1104



51.8240, 77.9456, 96.5120



27.7394, 28.5114, 90.4303



16.9588, 18.7427, 21.0674



25.5104, 38.3490, 47.5688



2.2529, 3.3748, 4.2378

Inverse Universe

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



38.3247, 20.2373, 3.5580



41.3111, 21.2884, 2.3042



44.5923, 33.0015, 4.9412



16.5327, 16.4959, 17.2859



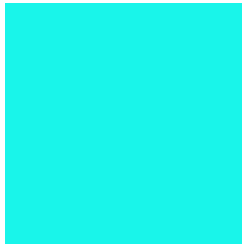
20.3372, 10.4783, 1.2180



1.7990, 0.9256, 0.1681

Previews

White Background



This preview shows how the XYZ color 47.9046, 71.4520, 89.1087 looks on a white background.

Color Contrast Check

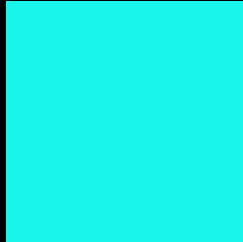
Large Text (above 18pt) WCAG AA × Fail

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 47.9046, 71.4520, 89.1087 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

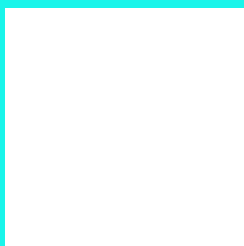
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9046, 71.4520, 89.1087

Background



This preview shows how black text looks on a background with the XYZ color 47.9046, 71.4520, 89.1087.

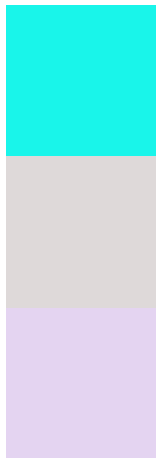


This preview shows how white text looks on a background with the XYZ color 47.9046, 71.4520,

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

47.9046, 71.4520, 89.1087

Protanopia

67.4614, 70.1651, 75.6333

Deuteranopia

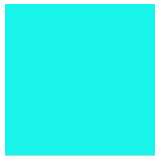
71.4156, 69.9318, 92.9533



Tritanopia

54.1040, 71.1939, 105.4979

Trichromacy



Original Color

47.9046, 71.4520, 89.1087



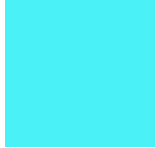
Protanomaly

53.3660, 66.7499, 79.8834



Deuteranomaly

55.4147, 66.3544, 90.7759



Tritanomaly

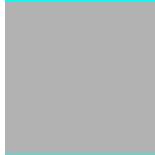
51.0678, 71.0818, 99.0243

Monochromacy



Original Color

47.9046, 71.4520, 89.1087



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.3396, 50.4559, 61.0916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9046, 71.4520, 89.1087 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(25, 245, 234)` looks like.

```
.text, #text, p{  
    color:rgb(25, 245, 234)  
}
```

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(25, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 245, 234) }
```

Border

The CSS property to change the border of an element to XYZ 47.9046, 71.4520, 89.1087 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(25, 245, 234) }
```


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

```
.border{ border-color:rgb(25, 245, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 245, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(25, 245,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9046, 71.4520, 89.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 245, 234) }
```

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

```
.background{ background-color: rgb(25, 245,  
234) }
```

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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