

Converting Colors

XYZ(46.2303, 70.3237, 40.8283)

Have a look what the booklet for
XYZ(46.2303, 70.3237, 40.8283)
contains.

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Color

**XYZ(46.1720, 70.2833,
40.8383)**

Conversions

Conversions Part 1

Format	Color
Hex	7FF298
RGB	127, 242, 152
RGB Percent	50%, 95%, 60%
CMY	0.5020, 0.0510, 0.4039
CMYK	0.48, 0.00, 0.37, 0.05
HSL	133°, 82%, 72%
HSV	133°, 48%, 95%
XYZ	46.1720, 70.2833, 40.8383
YIQ	197.3550, -39.6500, -52.3700

Conversions

Conversions Part 2

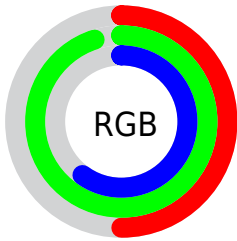
Format	Color
RYB	127, 221, 242
Decimal	8385176
CIELab	87.14, -51.50, 33.59
CIELCh	87, 61.483, 146.888
Yxy	70.2833, 0.2935, 0.4468
Android (android.graphics.Color)	4286575256 (0xFF7FF298)
YUV	197.3550, -22.3600, -61.7013
Hunter-Lab	83.8351, -48.4030, 29.8029

Details

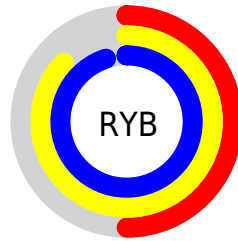
The XYZ color **46.1720, 70.2833, 40.8383** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.7339, 39.0670, 70.1983**, and the grayscale version is **53.4352, 56.2180, 61.2214**.

A 20% lighter version of the original color is **67.0301, 86.3393, 72.1638**, and **21.9640, 36.8113, 18.0043** is the 20% darker color. If you saturate the color by 10%, you get **41.5622, 68.0740, 33.1623**, and if you desaturate by 10%, it is **51.8986, 73.0437, 49.8626**.

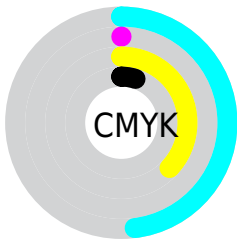
Distribution



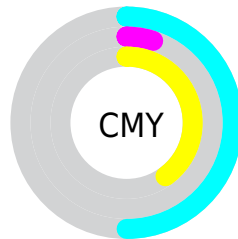
- Red (50%)
- Green (95%)
- Blue (60%)



- Red (50%)
- Yellow (87%)
- Blue (95%)



- Cyan (48%)
- Magenta (0%)
- Yellow (37%)
- Black (5%)





- Cyan (50%)
- Magenta (5%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1720, 70.2833, 40.8383 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 46.1720, 70.2833, 40.8383 by changing the saturation by 10% instead.


 46.1720, 70.2833,
40.8383


 46.1720, 70.2833,
40.8383


362.2041,
461.5441, 365.3009


 32.5868, 51.7575,
27.8740


 83.7026, 119.6127,
77.6894

 21.9678, 36.8118,
17.9925

 108.3788,
151.1851, 102.4132

 13.9497, 25.0618,
10.7752


 137.4826,
187.8751, 131.8940

 8.1672, 16.1231,
5.8036

171.3794,
230.0672, 166.5503

 4.2548, 9.6113,
2.6592

210.4346,
278.1458, 206.8006

 1.8473, 5.1420,
0.9228


255.0135,

 0.5459, 2.3308,


332.4952, 253.0634


0.0000


305.4816,
393.4998, 305.7574


 0.0000, 0.7900,
0.0000


 0.0000, 0.0000,
0.0000


 46.1720, 70.2833,
40.8383


 46.1720, 70.2833,
40.8383


 41.5622, 68.0740,
33.1623

 51.8986, 73.0437,
49.8626


 37.9891, 66.3699,
26.7650


 58.8044, 76.3801,
60.2907


 35.3703, 65.1320,
21.5780


 66.9533, 80.3263,
72.1810

 33.6078, 64.3113,
17.5243

 76.4033, 84.9110,
85.5868

 32.5748, 63.8442,
14.5173

 87.2083, 90.1610,
100.5591

 32.3872, 63.7605,
13.9215

 91.0435, 91.9870,
107.5645

Harmonies

Analogous

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



55.0350, 70.2833, 25.3173



46.1720, 70.2833, 40.8383



42.7723, 70.2833, 72.2975

Triad

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



46.1720, 70.2833, 40.8383



65.3087, 70.2833, 186.3025



94.6973, 70.2833, 45.9486

Complementary

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



46.1720, 70.2833, 40.8383



56.7339, 39.0670, 70.1983

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.



98.4761, 70.2833, 80.9174



46.1720, 70.2833, 40.8383



80.1374, 70.2833, 171.4007

Square

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



46.1720, 70.2833, 40.8383



52.7762, 70.2833, 164.1289



92.8111, 70.2833, 128.5956



83.1160, 70.2833, 27.4351

Rectangle

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



46.1720, 70.2833, 40.8383



43.6356, 70.2833, 101.9799



92.8111, 70.2833, 128.5956



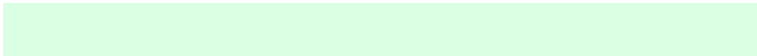
96.9883, 70.2833, 55.7056

Sweetspot

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



46.1738, 70.2862, 40.8399



78.9373, 92.1761, 86.3486



64.2256, 79.8044, 32.0978



16.4210, 19.4992, 17.8039



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.



46.1738, 70.2862, 40.8399



46.9732, 76.7431, 37.6336



52.0668, 72.6434, 71.8722



15.7065, 17.7126, 17.4776



17.4391, 34.2676, 7.6950



1.4866, 2.8651, 0.8288

Inverse Universe

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



56.7339, 39.0670, 70.1983



60.1517, 37.6859, 74.1998



50.5180, 36.5807, 37.4661



16.2986, 15.9691, 19.1284



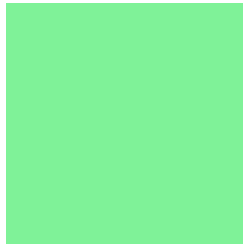
24.6815, 12.1450, 27.3032



2.0893, 1.0248, 2.4611

Previews

White Background



This preview shows how the XYZ color 46.1720, 70.2833, 40.8383 looks on a white background.

Color Contrast Check

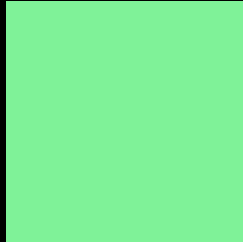
Large Text (above 18pt) WCAG AA × Fail

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 46.1720, 70.2833, 40.8383 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 46.1720, 70.2833, 40.8383

Background



This preview shows how black text looks on a background with the XYZ color 46.1720, 70.2833, 40.8383.



This preview shows how white text looks on a background with the XYZ color 46.1720, 70.2833,

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

46.1720, 70.2833, 40.8383

Protanopia

64.2874, 69.4116, 35.6006

Deuteranopia

70.3175, 68.9804, 43.7908



Tritanopia

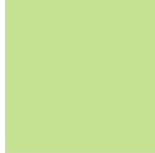
57.7901, 69.8227, 100.0538

Trichromacy



Original Color

46.1720, 70.2833, 40.8383



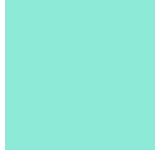
Protanomaly

55.1496, 68.2038, 37.4521



Deuteranomaly

57.7772, 67.0649, 42.2474



Tritanomaly

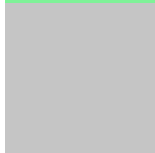
52.5449, 69.3634, 74.2374

Monochromacy



Original Color

46.1720, 70.2833, 40.8383



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.1480, 59.6954, 52.6480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1720, 70.2833, 40.8383 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(127, 242, 152)` looks like.

```
.text, #text, p{  
    color:rgb(127, 242, 152)  
}
```

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(127, 242, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 242, 152) }
```

Border

The CSS property to change the border of an element to XYZ 46.1720, 70.2833, 40.8383 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(127, 242, 152) }
```


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

```
.border{ border-color:rgb(127, 242, 152) }
```

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

Here you see how a box with a 4 pixel rgb(127, 242, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 242, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 242, 152);  
box-shadow:4px 4px 4px 4px rgb(127, 242,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1720, 70.2833, 40.8383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 242, 152) }
```

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

```
.background{ background-color: rgb(127,  
242, 152) }
```

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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