

Converting Colors

XYZ(48.3857, 71.6296, 45.1575)

Have a look what the booklet for
XYZ(48.3857, 71.6296, 45.1575)
contains.

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Color

**XYZ(48.4753, 71.8253,
45.0270)**

Conversions

Conversions Part 1

Format	Color
Hex	87F3A1
RGB	135, 243, 161
RGB Percent	53%, 95%, 63%
CMY	0.4706, 0.0470, 0.3686
CMYK	0.44, 0.00, 0.34, 0.05
HSL	134°, 82%, 74%
HSV	134°, 44%, 95%
XYZ	48.4753, 71.8253, 45.0270
YIQ	201.3600, -38.0460, -48.3980

Conversions

Conversions Part 2

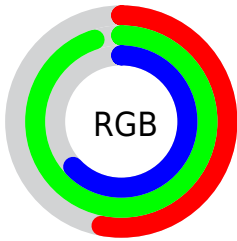
Format	Color
RYB	135, 222, 243
Decimal	8909729
CIELab	87.88, -48.30, 30.11
CIELCh	88, 56.911, 148.062
Yxy	71.8253, 0.2932, 0.4344
Android (android.graphics.Color)	4287099809 (0xFF87F3A1)
YUV	201.3600, -19.8975, -58.1977
Hunter-Lab	84.7498, -46.2135, 27.8245

Details

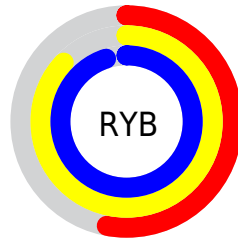
The XYZ color **48.4753, 71.8253, 45.0270** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.1528, 41.3939, 70.5730**, and the grayscale version is **55.8789, 58.7890, 64.0212**.

A 20% lighter version of the original color is **70.1470, 87.8153, 78.2187**, and **23.3798, 37.7997, 20.5318** is the 20% darker color. If you saturate the color by 10%, you get **43.4940, 69.4337, 36.9188**, and if you desaturate by 10%, it is **54.5926, 74.7788, 54.4448**.

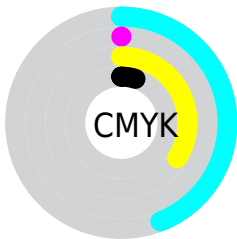
Distribution



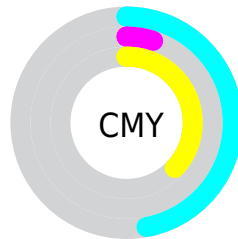
- Red (53%)
- Green (95%)
- Blue (63%)



- Red (53%)
- Yellow (87%)
- Blue (95%)



- Cyan (44%)
- Magenta (0%)
- Yellow (34%)
- Black (5%)





- Cyan (47%)
- Magenta (5%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4753, 71.8253, 45.0270 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 48.4753, 71.8253, 45.0270 by changing the saturation by 10% instead.


 48.4753, 71.8253,
45.0270


 48.4753, 71.8253,
45.0270


371.2243,
466.9333, 383.0462


 34.4163, 53.0160,
31.1356


 87.1171, 121.8081,
84.0798

 23.3780, 37.8155,
20.4428


 112.4305,
153.7504, 110.0783

 14.9951, 25.8395,
12.5301


 142.2261,
190.8391, 140.9495

 8.9022, 16.7036,
6.9788

176.8693,
233.4587, 177.1121

 4.7341, 10.0234,
3.3706

216.7253,
281.9935, 218.9845

 2.1252, 5.4145,
1.2869

262.1596,

 0.7029, 2.4925,

336.8280, 266.9853

0.0510

313.5375,
398.3464, 321.5330

■ 0.0000, 0.8729,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.4753, 71.8253,
45.0270

■ 48.4753, 71.8253,
45.0270

■ 43.4940, 69.4337,
36.9188

■ 54.5926, 74.7788,
54.4448

■ 39.5713, 67.5593,
30.0572


■ 61.9059, 78.3180,
65.2216


■ 36.6283, 66.1647,
24.3814


■ 70.4776, 82.4760,
77.4105


■ 34.5725, 65.2036,
19.8234

■ 80.3638, 87.2806,
91.0599

 33.2919, 64.6199,
16.3080

 91.0621, 92.4720,
106.1902

 32.8285, 64.4146,
14.7732

 91.3420, 92.5839,
107.6640

Harmonies

Analogous

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



56.7403, 71.8253, 29.1430



48.4753, 71.8253, 45.0270



45.4176, 71.8253, 75.7112

Triad

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



48.4753, 71.8253, 45.0270



67.3912, 71.8253, 178.8740



93.9099, 71.8253, 48.1175

Complementary

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



48.4753, 71.8253, 45.0270



58.1528, 41.3939, 70.5730

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.



97.7270, 71.8253, 80.7540



48.4753, 71.8253, 45.0270



81.2595, 71.8253, 164.1577

Square

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



48.4753, 71.8253, 45.0270



55.4030, 71.8253, 160.0589



92.8252, 71.8253, 124.6413



82.9842, 71.8253, 30.4683

Rectangle

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



48.4753, 71.8253, 45.0270



46.3906, 71.8253, 103.6700



92.8252, 71.8253, 124.6413



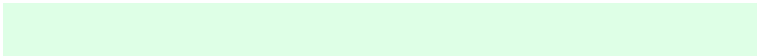
96.1255, 71.8253, 57.2949

Sweetspot

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



48.4772, 71.8283, 45.0286



80.0974, 92.7296, 88.4153



65.2801, 80.7285, 35.0638



16.6548, 19.6103, 18.2399



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.



48.4772, 71.8283, 45.0286



49.1841, 77.7820, 42.2931



54.2076, 74.1204, 75.2045



16.4457, 18.5374, 18.3656



18.0606, 35.3691, 8.3389



1.6261, 3.1241, 0.9370

Inverse Universe

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



58.1528, 41.3939, 70.5730



61.1855, 39.9557, 73.9209



52.3109, 39.0571, 39.8102



17.0331, 16.6961, 19.9208



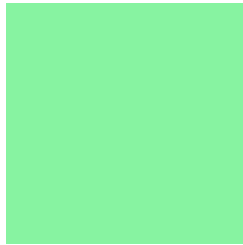
25.1189, 12.3910, 26.3983



2.2476, 1.1050, 2.5303

Previews

White Background



This preview shows how the XYZ color 48.4753, 71.8253, 45.0270 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 48.4753, 71.8253, 45.0270 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 48.4753, 71.8253, 45.0270

Background



This preview shows how black text looks on a background with the XYZ color 48.4753, 71.8253, 45.0270.



This preview shows how white text looks on a background with the XYZ color 48.4753, 71.8253,

45.0270.

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

48.4753, 71.8253, 45.0270

Protanopia

65.8425, 70.9019, 39.4933

Deuteranopia

71.9807, 70.8271, 48.9069



Tritanopia

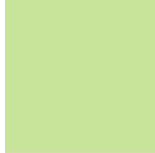
59.7868, 71.6468, 101.9449

Trichromacy



Original Color

48.4753, 71.8253, 45.0270



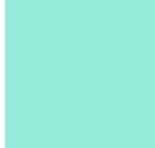
Protanomaly

57.4792, 70.1327, 41.5178



Deuteranomaly

60.3195, 69.4514, 47.2721



Tritanomaly

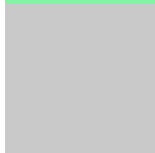
54.8631, 71.3488, 77.2098

Monochromacy



Original Color

48.4753, 71.8253, 45.0270



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.5503, 62.0040, 55.7054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4753, 71.8253, 45.0270 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(135, 243, 161)` looks like.

```
.text, #text, p{  
    color:rgb(135, 243, 161)  
}
```

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(135, 243, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 243, 161) }
```

Border

The CSS property to change the border of an element to XYZ 48.4753, 71.8253, 45.0270 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(135, 243, 161) }
```


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

```
.border{ border-color:rgb(135, 243, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 243, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 243, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 243, 161);  
box-shadow:4px 4px 4px 4px rgb(135, 243,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4753, 71.8253, 45.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 243, 161) }
```

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

```
.background{ background-color: rgb(135,  
243, 161) }
```

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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