

Converting Colors

XYZ(46.2487, 71.1414, 40.3551)

Have a look what the booklet for
XYZ(46.2487, 71.1414, 40.3551)
contains.

XYZ(46.3132, 71.2633, 40.1684)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.3132, 71.2633,
40.1684)**

Conversions

Conversions Part 1

Format	Color
Hex	7DF496
RGB	125, 244, 150
RGB Percent	49%, 96%, 59%
CMY	0.5098, 0.0431, 0.4118
CMYK	0.49, 0.00, 0.39, 0.04
HSL	133°, 84%, 72%
HSV	133°, 49%, 96%
XYZ	46.3132, 71.2633, 40.1684
YIQ	197.7030, -40.7500, -54.4620

Conversions

Conversions Part 2

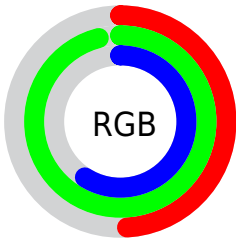
Format	Color
RYB	125, 223, 244
Decimal	8254614
CIELab	87.61, -53.15, 35.20
CIELCh	88, 63.754, 146.485
Yxy	71.2633, 0.2936, 0.4518
Android (android.graphics.Color)	4286444694 (0xFF7DF496)
YUV	197.7030, -23.5176, -63.7605
Hunter-Lab	84.4176, -49.8021, 30.8804

Details

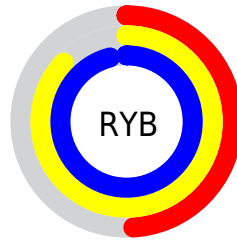
The XYZ color **46.3132, 71.2633, 40.1684** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.4303, 39.0163, 71.5245**, and the grayscale version is **53.6537, 56.4479, 61.4717**.

A 20% lighter version of the original color is **66.5466, 86.1181, 70.8727**, and **22.0893, 37.5125, 17.6317** is the 20% darker color. If you saturate the color by 10%, you get **41.7527, 69.0791, 32.5094**, and if you desaturate by 10%, it is **52.0075, 74.0065, 49.2162**.

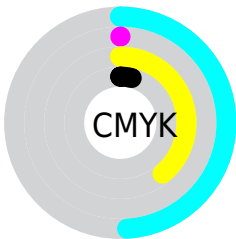
Distribution



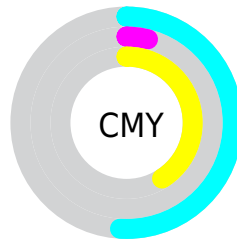
- Red (49%)
- Green (96%)
- Blue (59%)



- Red (49%)
- Yellow (87%)
- Blue (96%)



- Cyan (49%)
- Magenta (0%)
- Yellow (39%)
- Black (4%)





- Cyan (51%)
- Magenta (4%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3132, 71.2633, 40.1684 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 46.3132, 71.2633, 40.1684 by changing the saturation by 10% instead.


 46.3132, 71.2633,
40.1684


 46.3132, 71.2633,
40.1684


362.7613,
464.9733, 362.4060


 32.6987, 52.5571,
27.3551


 83.9125, 121.0086,
76.6598

 22.0539, 37.4493,
17.6053


 108.6281,
152.8164, 101.1749

 14.0133, 25.5556,
10.5005


 137.7747,
189.7602, 130.4277

 8.2117, 16.4915,
5.6221

171.7178,
232.2245, 164.8368

 4.2836, 9.8726,
2.5516

210.8226,
280.5935, 204.8206

 1.8638, 5.3146,
0.8673

255.4545,

 0.5557, 2.4330,

335.2518, 250.7977

0.0000

305.9790,
396.5836, 303.1867

0.0000, 0.8428,
0.0000

0.0000, 0.0000,
0.0000

46.3132, 71.2633,
40.1684

46.3132, 71.2633,
40.1684

41.7527, 69.0791,
32.5094

52.0075, 74.0065,
49.2162

38.2428, 67.4065,
26.1655


58.9004, 77.3348,
59.7118


35.6976, 66.2047,
21.0638


67.0581, 81.2829,
71.7169


34.0141, 65.4223,
17.1220

76.5405, 85.8807,
85.2878

 33.0468, 64.9863,
14.2467

 87.4034, 91.1558,
100.4783

 32.9553, 64.9454,
13.9611

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



55.6035, 71.2633, 24.4596



46.3132, 71.2633, 40.1684



42.7102, 71.2633, 72.6108

Triad

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



46.3132, 71.2633, 40.1684



65.9707, 71.2633, 193.5559



97.1554, 71.2633, 46.1289

Complementary

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



46.3132, 71.2633, 40.1684



57.4303, 39.0163, 71.5245

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.



101.0077, 71.2633, 82.7994



46.3132, 71.2633, 40.1684



81.5109, 71.2633, 178.2306

Square

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



46.3132, 71.2633, 40.1684



52.9463, 71.2633, 169.5096



94.9109, 71.2633, 133.0968



85.0459, 71.2633, 26.8955

Rectangle

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



46.3132, 71.2633, 40.1684



43.5523, 71.2633, 103.6351



94.9109, 71.2633, 133.0968



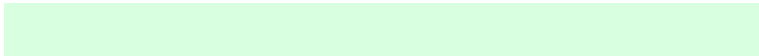
99.5299, 71.2633, 56.3267

Sweetspot

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



46.3150, 71.2663, 40.1700



77.8624, 91.6580, 84.6690



65.6308, 81.4322, 31.6617



16.2074, 19.3964, 17.4627



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.



46.3150, 71.2663, 40.1700



45.9881, 76.2781, 35.6505



52.2324, 73.6332, 71.3303



16.4246, 18.5290, 18.2544



17.9585, 35.3282, 7.8013



1.6144, 3.1194, 0.8752

Inverse Universe

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



57.4303, 39.0163, 71.5245



59.6182, 36.6206, 74.0163



51.0505, 36.4644, 37.9287



17.0558, 16.7052, 20.0403



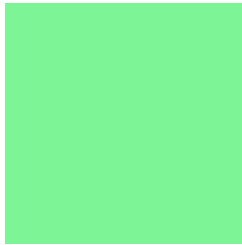
25.5560, 12.5658, 28.6999



2.2826, 1.1190, 2.7145

Previews

White Background



This preview shows how the XYZ color 46.3132, 71.2633, 40.1684 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 46.3132, 71.2633, 40.1684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

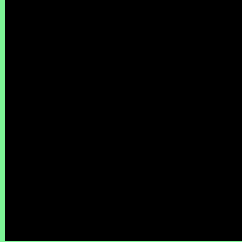
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3132, 71.2633, 40.1684

Background



This preview shows how black text looks on a background with the XYZ color 46.3132, 71.2633, 40.1684.

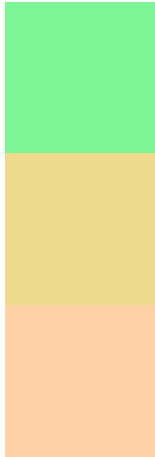


This preview shows how white text looks on a background with the XYZ color 46.3132, 71.2633,

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

46.3132, 71.2633, 40.1684

Protanopia

64.7301, 70.0408, 34.9185

Deuteranopia

71.0781, 70.0698, 45.3759



Tritanopia

58.4819, 70.9742, 101.8838

Trichromacy



Original Color

46.3132, 71.2633, 40.1684



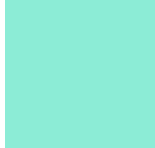
Protanomaly

55.2681, 68.6875, 36.7306



Deuteranomaly

58.4789, 68.1905, 43.3376



Tritanomaly

52.9483, 70.4214, 74.4204

Monochromacy



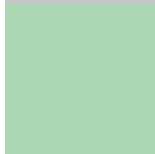
Original Color

46.3132, 71.2633, 40.1684



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.4355, 60.5950, 52.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3132, 71.2633, 40.1684 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(125, 244, 150)` looks like.

```
.text, #text, p{  
    color:rgb(125, 244, 150)  
}
```

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(125, 244, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 244, 150) }
```

Border

The CSS property to change the border of an element to XYZ 46.3132, 71.2633, 40.1684 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(125, 244, 150) }
```


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

```
.border{ border-color:rgb(125, 244, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 244, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 244, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 244, 150);  
box-shadow:4px 4px 4px 4px rgb(125, 244,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3132, 71.2633, 40.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 244, 150) }
```

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

```
.background{ background-color: rgb(125,  
244, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor