

Converting Colors

XYZ(45.4617, 71.6135, 32.1652)

Have a look what the booklet for
XYZ(45.4617, 71.6135, 32.1652)
contains.

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Color

**XYZ(45.3673, 71.4018,
32.1597)**

Conversions

Conversions Part 1

Format	Color
Hex	7FF581
RGB	127, 245, 129
RGB Percent	50%, 96%, 51%
CMY	0.5020, 0.0392, 0.4941
CMYK	0.48, 0.00, 0.47, 0.04
HSL	121°, 86%, 73%
HSV	121°, 48%, 96%
XYZ	45.3673, 71.4018, 32.1597
YIQ	196.4940, -33.0920, -61.0920

Conversions

Conversions Part 2

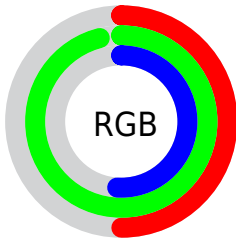
Format	Color
RYB	127, 243, 245
Decimal	8385921
CIELab	87.68, -56.14, 45.57
CIElCh	88, 72.305, 140.936
Yxy	71.4018, 0.3046, 0.4794
Android (android.graphics.Color)	4286576001 (0xFF7FF581)
YUV	196.4940, -33.2745, -60.9462
Hunter-Lab	84.4996, -52.0387, 36.5845

Details

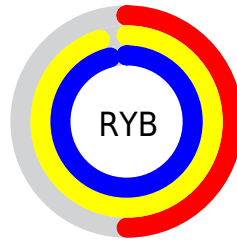
The XYZ color **45.3673, 71.4018, 32.1597** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.4254, 41.0637, 89.4849**, and the grayscale version is **52.9758, 55.7347, 60.6951**.

A 20% lighter version of the original color is **64.6614, 85.4198, 58.4271**, and **21.5695, 37.6605, 13.1536** is the 20% darker color. If you saturate the color by 10%, you get **40.7358, 69.1800, 24.5487**, and if you desaturate by 10%, it is **51.2667, 74.2378, 41.8024**.

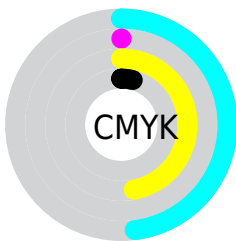
Distribution



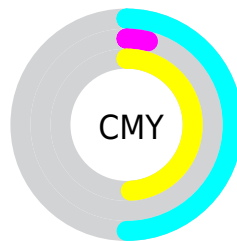
- Red (50%)
- Green (96%)
- Blue (51%)



- Red (50%)
- Yellow (95%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (47%)
- Black (4%)



- Cyan (50%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3673, 71.4018, 32.1597 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 45.3673, 71.4018, 32.1597 by changing the saturation by 10% instead.

45.3673, 71.4018,
32.1597

45.3673, 71.4018,
32.1597

359.0178,
465.4568, 326.3612

31.9493, 52.6702,
21.2177

82.5050, 121.2057,
64.1622

21.4782, 37.5395,
13.0904

106.9554,
153.0467, 86.0597

13.5884, 25.6255,
7.3594

135.8141,
190.0263, 112.4462

7.9147, 16.5437,
3.6060

169.4463,
232.5289, 143.7401

4.0918, 9.9097,
1.4118

208.2174,
280.9388, 180.3600

1.7542, 5.3391,
0.1509


252.4928,

0.4898, 2.4476,


335.6405, 222.7245


0.0000


302.6378,
397.0184, 271.2520


 0.0000, 0.8502,
0.0000


 0.0000, 0.0000,
0.0000


 45.3673, 71.4018,
32.1597


 45.3673, 71.4018,
32.1597


 40.7358, 69.1800,
24.5487


 51.2667, 74.2378,
41.8024


 37.2747, 67.5189,
18.8198


 58.5119, 77.7192,
53.6028


 34.8807, 66.3710,
14.8106


 67.1807, 81.8855,
67.6821

 33.4303, 65.6767,
12.3292

 77.3436, 86.7706,
84.1514

 32.7571, 65.3554,
11.1347

 89.0662, 92.4063,
103.1144

 32.6766, 65.3167,
11.0045

 91.9438, 93.7876,
107.8646

Harmonies

Analogous

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



56.7621, 71.4018, 18.7284



45.3673, 71.4018, 32.1597



40.2566, 71.4018, 63.8095

Triad

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



45.3673, 71.4018, 32.1597



62.8071, 71.4018, 213.0717



103.5143, 71.4018, 48.6720

Complementary

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



45.3673, 71.4018, 32.1597



61.4254, 41.0637, 89.4849

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.



105.8685, 71.4018, 93.5734



45.3673, 71.4018, 32.1597



80.3294, 71.4018, 203.3334

Square

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



45.3673, 71.4018, 32.1597



49.1512, 71.4018, 176.4061



96.7892, 71.4018, 153.6375



90.8124, 71.4018, 25.0917

Rectangle

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



45.3673, 71.4018, 32.1597



40.3887, 71.4018, 97.0504



96.7892, 71.4018, 153.6375



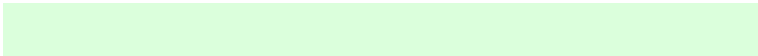
105.6173, 71.4018, 61.1853

Sweetspot

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



45.3691, 71.4048, 32.1613



77.9695, 91.7889, 81.2522



73.4599, 85.9014, 32.7880



16.1887, 19.4063, 16.5808



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.



45.3691, 71.4048, 32.1613



44.6287, 75.7693, 26.9132



50.4802, 73.4493, 59.0764



16.2936, 18.4766, 17.5646



17.6078, 35.1880, 5.9546



1.5515, 3.0942, 0.5440

Inverse Universe

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



61.4254, 41.0637, 89.4849



64.1568, 38.8557, 96.6225



53.9029, 38.0546, 49.8716



17.2008, 16.7632, 20.8039



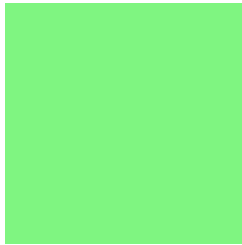
28.8326, 13.8765, 45.9543



2.5379, 1.2211, 4.0591

Previews

White Background



This preview shows how the XYZ color 45.3673, 71.4018, 32.1597 looks on a white background.

Color Contrast Check

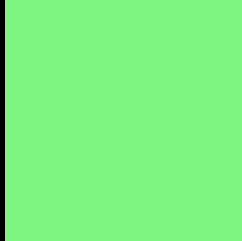
Large Text (above 18pt) WCAG AA × Fail

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 45.3673, 71.4018, 32.1597 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 45.3673, 71.4018, 32.1597

Background



This preview shows how black text looks on a background with the XYZ color 45.3673, 71.4018, 32.1597.

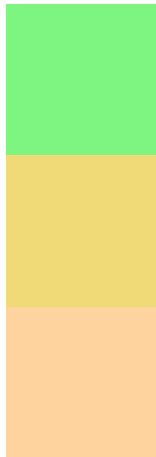


This preview shows how white text looks on a background with the XYZ color 45.3673, 71.4018,

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

45.3673, 71.4018, 32.1597

Protanopia

64.3967, 70.0241, 27.8912

Deuteranopia

70.7058, 70.3172, 42.1937



Tritanopia

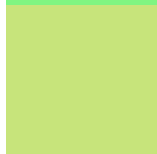
58.9681, 70.8263, 101.0054

Trichromacy



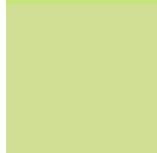
Original Color

45.3673, 71.4018, 32.1597



Protanomaly

54.8717, 69.0590, 29.1766



Deuteranomaly

57.6666, 68.2918, 37.7461



Tritanomaly

52.6376, 70.3764, 69.2022

Monochromacy



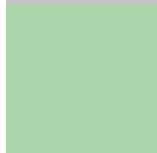
Original Color

45.3673, 71.4018, 32.1597



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.2875, 59.7296, 48.0137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3673, 71.4018, 32.1597 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, 245, 129)` looks like.

```
.text, #text, p{  
    color:rgb(127, 245, 129)  
}
```

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, 245, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 245, 129) }
```

Border

The CSS property to change the border of an element to XYZ 45.3673, 71.4018, 32.1597 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, 245, 129) }
```


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

```
.border{ border-color:rgb(127, 245, 129) }
```

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

Here you see how a box with a 4 pixel rgb(127, 245, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 245, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 245, 129);  
box-shadow:4px 4px 4px 4px rgb(127, 245,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3673, 71.4018, 32.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 245, 129) }
```

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

```
.background{ background-color: rgb(127,  
245, 129) }
```

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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