

Converting Colors

XYZ(45.7566, 72.9645, 30.7270)

Have a look what the booklet for
XYZ(45.7566, 72.9645, 30.7270)
contains.

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Color

**XYZ(45.8097, 73.0257,
30.7497)**

Conversions

Conversions Part 1

Format	Color
Hex	7EF87C
RGB	126, 248, 124
RGB Percent	49%, 97%, 49%
CMY	0.5059, 0.0274, 0.5137
CMYK	0.49, 0.00, 0.50, 0.03
HSL	119°, 90%, 73%
HSV	119°, 50%, 97%
XYZ	45.8097, 73.0257, 30.7497
YIQ	197.3860, -32.9080, -64.4280

Conversions

Conversions Part 2

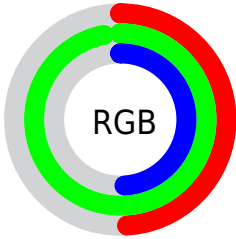
Format	Color
RYB	124, 248, 246
Decimal	8321148
CIELab	88.46, -58.24, 48.89
CIELCh	88, 76.036, 139.989
Yxy	73.0257, 0.3062, 0.4882
Android (android.graphics.Color)	4286511228 (0xFF7EF87C)
YUV	197.3860, -36.1793, -62.6055
Hunter-Lab	85.4551, -53.8583, 38.4840

Details

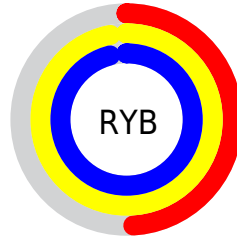
The XYZ color **45.8097, 73.0257, 30.7497** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **62.1607, 40.7879, 93.4075**, and the grayscale version is **53.5322, 56.3201, 61.3326**.

A 20% lighter version of the original color is **63.9043, 85.0890, 55.7035**, and **21.8180, 38.7733, 12.2953** is the 20% darker color. If you saturate the color by 10%, you get **41.2650, 70.8440, 23.3547**, and if you desaturate by 10%, it is **51.6298, 75.8236, 40.2660**.

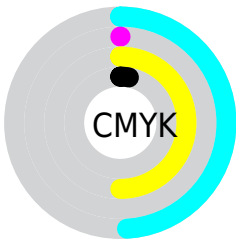
Distribution



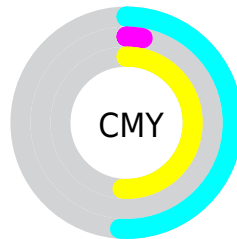
- Red (49%)
- Green (97%)
- Blue (49%)



- Red (49%)
- Yellow (97%)
- Blue (96%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (3%)





- Cyan (51%)
- Magenta (3%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8097, 73.0257, 30.7497 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 45.8097, 73.0257, 30.7497 by changing the saturation by 10% instead.


 45.8097, 73.0257,
30.7497


 45.8097, 73.0257,
30.7497


360.7718,
471.1039, 319.6989


 32.2997, 53.9970,
20.1515


 83.1637, 123.5137,
61.9207

 21.7471, 38.5992,
12.3200


 107.7384,
155.7418, 83.3306

 13.7868, 26.4481,
6.8368


 136.7321,
193.1384, 109.1814

 8.0532, 17.1592,
3.2834

170.5100,
236.0880, 139.8918

 4.1811, 10.3480,
1.2411

209.4376,
284.9749, 175.8802

 1.8051, 5.6303,
0.0128

253.8802,

 0.5207, 2.6216,

340.1836, 217.5651

0.0000

304.2032,
402.0985, 265.3652

0.0000, 0.9375,
0.0000

0.0000, 0.0000,
0.0000

45.8097, 73.0257,
30.7497

45.8097, 73.0257,
30.7497

41.2650, 70.8440,
23.3547

51.6298, 75.8236,
40.2660

37.8952, 69.2237,
17.9141


58.8053, 79.2695,
52.0436


35.5936, 68.1160,
14.2445


67.4160, 83.4037,
66.2165


34.2320, 67.4596,
12.1253

77.5340, 88.2608,
82.9068

 33.6189, 67.1635,
11.1920

 89.2265, 93.8729,
102.2281

 33.6189, 67.1635,
11.1920

 92.8589, 95.6178,
108.1696

Harmonies

Analogous

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



58.0692, 73.0257, 17.4556



45.8097, 73.0257, 30.7497



40.2201, 73.0257, 63.2591

Triad

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



45.8097, 73.0257, 30.7497



63.4735, 73.0257, 225.6295



107.9756, 73.0257, 49.8169

Complementary

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



45.8097, 73.0257, 30.7497



62.1607, 40.7879, 93.4075

Split Complementary

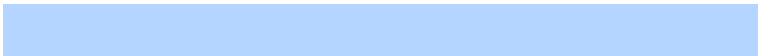
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.1147, 73.0257, 98.3357



45.8097, 73.0257, 30.7497



82.1361, 73.0257, 216.6650

Square

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



45.8097, 73.0257, 30.7497



49.1666, 73.0257, 184.2740



99.9747, 73.0257, 163.4249



94.5602, 73.0257, 24.6332

Rectangle

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



45.8097, 73.0257, 30.7497



40.2184, 73.0257, 98.2907



99.9747, 73.0257, 163.4249



110.1179, 73.0257, 63.2927

Sweetspot

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



45.8115, 73.0288, 30.7513



76.9761, 91.3246, 79.0456



75.2883, 87.2865, 31.9498



15.9971, 19.3173, 16.1291



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.



45.8115, 73.0288, 30.7513



43.9213, 75.4503, 24.8188



50.5267, 74.8812, 57.1035



17.0432, 19.3225, 18.2937



18.1712, 36.2859, 6.0462



1.6918, 3.3652, 0.5604

Inverse Universe

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



62.1607, 40.7879, 93.4075



63.1404, 37.5183, 98.5216



55.0059, 38.0074, 52.0540



17.9638, 17.5095, 21.8182



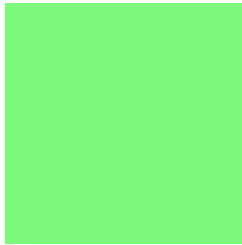
29.3200, 14.0577, 49.1416



2.7241, 1.3064, 4.5518

Previews

White Background



This preview shows how the XYZ color 45.8097, 73.0257, 30.7497 looks on a white background.

Color Contrast Check

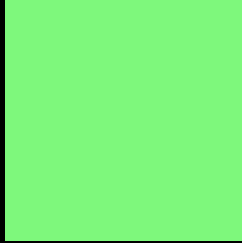
Large Text (above 18pt) WCAG AA × Fail

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 45.8097, 73.0257, 30.7497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

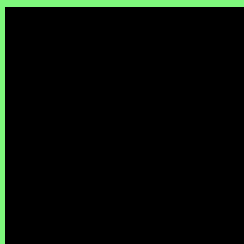
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8097, 73.0257, 30.7497

Background



This preview shows how black text looks on a background with the XYZ color 45.8097, 73.0257, 30.7497.

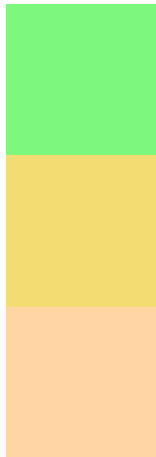


This preview shows how white text looks on a background with the XYZ color 45.8097, 73.0257,

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

45.8097, 73.0257, 30.7497

Protanopia

65.9131, 72.0054, 26.6441

Deuteranopia

71.7351, 71.5288, 45.1476



Tritanopia

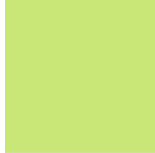
60.2893, 72.7098, 103.7853

Trichromacy



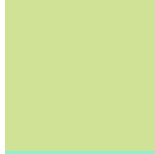
Original Color

45.8097, 73.0257, 30.7497



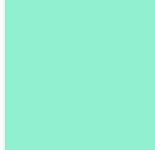
Protanomaly

55.6653, 70.7392, 27.8597



Deuteranomaly

58.6336, 69.9725, 38.8495



Tritanomaly

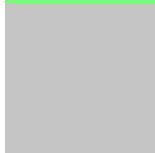
53.3348, 72.0289, 69.4844

Monochromacy



Original Color

45.8097, 73.0257, 30.7497



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.6062, 60.6719, 47.1793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8097, 73.0257, 30.7497 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(126, 248, 124)` looks like.

```
.text, #text, p{  
    color:rgb(126, 248, 124)  
}
```

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(126, 248, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 248, 124) }
```

Border

The CSS property to change the border of an element to XYZ 45.8097, 73.0257, 30.7497 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(126, 248, 124) }
```


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

```
.border{ border-color:rgb(126, 248, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 248, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 248, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 248, 124);  
box-shadow:4px 4px 4px 4px rgb(126, 248,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8097, 73.0257, 30.7497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 248, 124) }
```

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

```
.background{ background-color: rgb(126,  
248, 124) }
```

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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