

Converting Colors

XYZ(45.4891, 72.1980, 38.6553)

Have a look what the booklet for
XYZ(45.4891, 72.1980, 38.6553)
contains.

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Color

**XYZ(45.5193, 72.2417,
38.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	73F792
RGB	115, 247, 146
RGB Percent	45%, 97%, 57%
CMY	0.5490, 0.0314, 0.4274
CMYK	0.53, 0.00, 0.41, 0.03
HSL	134°, 89%, 71%
HSV	134°, 53%, 97%
XYZ	45.5193, 72.2417, 38.7391
YIQ	196.0180, -46.2510, -59.3950

Conversions

Conversions Part 2

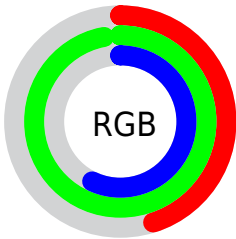
Format	Color
RYB	115, 222, 247
Decimal	7600018
CIELab	88.08, -57.45, 37.74
CIElCh	88, 68.736, 146.700
Yxy	72.2417, 0.2909, 0.4616
Android (android.graphics.Color)	4285790098 (0xFF73F792)
YUV	196.0180, -24.6589, -71.0528
Hunter-Lab	84.9951, -53.1454, 32.4734

Details

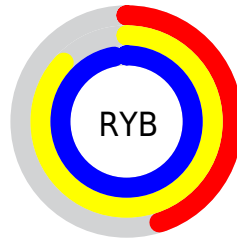
The XYZ color **45.5193, 72.2417, 38.7391** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.8854, 36.9948, 69.1104**, and the grayscale version is **52.6448, 55.3864, 60.3158**.

A 20% lighter version of the original color is **63.9818, 84.8510, 68.2640**, and **21.6528, 38.2634, 16.8340** is the 20% darker color. If you saturate the color by 10%, you get **41.3455, 70.2481, 31.4942**, and if you desaturate by 10%, it is **50.8099, 74.7870, 47.3081**.

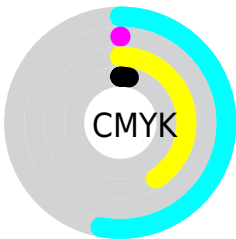
Distribution



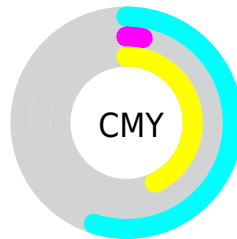
- Red (45%)
- Green (97%)
- Blue (57%)



- Red (45%)
- Yellow (87%)
- Blue (97%)



- Cyan (53%)
- Magenta (0%)
- Yellow (41%)
- Black (3%)





- Cyan (55%)
- Magenta (3%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5193, 72.2417, 38.7391 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 45.5193, 72.2417, 38.7391 by changing the saturation by 10% instead.


 45.5193, 72.2417,
38.7391

 45.5193, 72.2417,
38.7391


359.6211,
468.3824, 356.1728


 32.0697, 53.3561,
26.2506


 82.7314, 122.4001,
74.4555

 21.5705, 38.0872,
16.7837


 107.2246,
154.4417, 98.5205

 13.6565, 26.0503,
9.9201


 136.1297,
191.6375, 127.2813

 7.9622, 16.8613,
5.2411

169.8120,
234.3718, 161.1566

 4.1224, 10.1357,
2.3282

208.6370,
283.0291, 200.5648

 1.7716, 5.4890,
0.7470

252.9699,

 0.5005, 2.5369,

337.9937, 245.9246

0.0000

303.1762,
399.6500, 297.6544

0.0000, 0.8951,
0.0000

0.0000, 0.0000,
0.0000

45.5193, 72.2417,
38.7391

45.5193, 72.2417,
38.7391

41.3455, 70.2481,
31.4942

50.8099, 74.7870,
47.3081

38.1998, 68.7558,
25.5022


57.2862, 77.9121,
57.2578


35.9886, 67.7201,
20.6929


65.0179, 81.6539,
68.6474

34.5976, 67.0836,
16.9866

74.0677, 86.0434,
81.5313

 34.0261, 66.8299,
15.1104

 84.4941, 91.1098,
95.9609

 92.5522, 95.0043,
108.0674

Harmonies

Analogous

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



55.4370, 72.2417, 22.3903



45.5193, 72.2417, 38.7391



41.7296, 72.2417, 73.5695

Triad

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



45.5193, 72.2417, 38.7391



66.8627, 72.2417, 207.7972



100.8935, 72.2417, 44.6358

Complementary

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



45.5193, 72.2417, 38.7391



56.8854, 36.9948, 69.1104

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.



105.2360, 72.2417, 83.9778



45.5193, 72.2417, 38.7391



83.8425, 72.2417, 190.1886

Square

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



45.5193, 72.2417, 38.7391



52.7530, 72.2417, 180.9682



98.5634, 72.2417, 139.4496



87.4891, 72.2417, 24.7182

Rectangle

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



45.5193, 72.2417, 38.7391



42.6538, 72.2417, 107.5952



98.5634, 72.2417, 139.4496



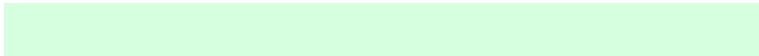
103.5453, 72.2417, 55.4400

Sweetspot

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



45.5211, 72.2447, 38.7407



76.9750, 91.2163, 83.9156



64.7359, 82.3922, 28.7114



16.0376, 19.3114, 17.3401



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.



45.5211, 72.2447, 38.7407



44.1916, 75.4002, 33.3888



52.1915, 74.9128, 73.8665



16.4417, 18.5358, 18.3442



18.0399, 35.3608, 8.2297



1.6238, 3.1232, 0.9247

Inverse Universe

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



56.8854, 36.9948, 69.1104



57.5316, 33.8724, 68.9279



50.0116, 34.2453, 32.9138



17.0374, 16.6978, 19.9437



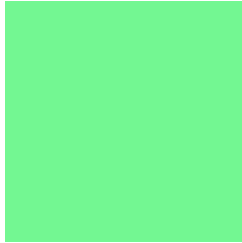
25.2012, 12.4239, 26.8314



2.2542, 1.1077, 2.5651

Previews

White Background



This preview shows how the XYZ color 45.5193, 72.2417, 38.7391 looks on a white background.

Color Contrast Check

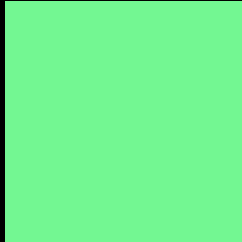
Large Text (above 18pt) WCAG AA × Fail

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 45.5193, 72.2417, 38.7391 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 45.5193, 72.2417, 38.7391

Background



This preview shows how black text looks on a background with the XYZ color 45.5193, 72.2417, 38.7391.

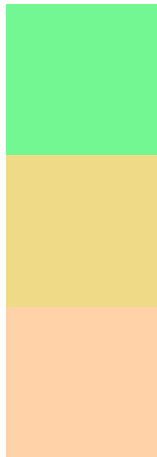


This preview shows how white text looks on a background with the XYZ color 45.5193, 72.2417,

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

45.5193, 72.2417, 38.7391

Protanopia

65.3013, 70.7630, 33.1386

Deuteranopia

71.5093, 70.6386, 46.4249



Tritanopia

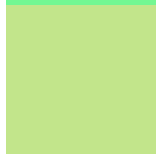
58.3078, 71.6883, 103.6926

Trichromacy



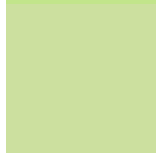
Original Color

45.5193, 72.2417, 38.7391



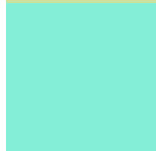
Protanomaly

54.9276, 69.3720, 34.9212



Deuteranomaly

57.8155, 68.6519, 43.0048



Tritanomaly

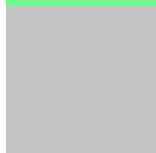
52.5198, 71.4936, 74.6499

Monochromacy



Original Color

45.5193, 72.2417, 38.7391



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.2727, 60.0307, 51.1623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5193, 72.2417, 38.7391 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(115, 247, 146)` looks like.

```
.text, #text, p{  
    color:rgb(115, 247, 146)  
}
```

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(115, 247, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 247, 146) }
```

Border

The CSS property to change the border of an element to XYZ 45.5193, 72.2417, 38.7391 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(115, 247, 146) }
```


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

```
.border{ border-color:rgb(115, 247, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 247, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 247, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 247, 146);  
box-shadow:4px 4px 4px 4px rgb(115, 247,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5193, 72.2417, 38.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 247, 146) }
```

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

```
.background{ background-color: rgb(115,  
247, 146) }
```

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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