

Converting Colors

XYZ(45.3693, 71.4610, 42.4484)

Have a look what the booklet for
XYZ(45.3693, 71.4610, 42.4484)
contains.

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Color

**XYZ(45.4277, 71.6576,
42.4474)**

Conversions

Conversions Part 1

Format	Color
Hex	6FF69B
RGB	111, 246, 155
RGB Percent	44%, 96%, 61%
CMY	0.5647, 0.0353, 0.3921
CMYK	0.55, 0.00, 0.37, 0.04
HSL	140°, 88%, 70%
HSV	140°, 55%, 96%
XYZ	45.4277, 71.6576, 42.4474
YIQ	195.2610, -51.2490, -56.9210

Conversions

Conversions Part 2

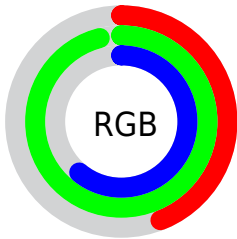
Format	Color
RYB	111, 213, 246
Decimal	7337627
CIELab	87.80, -56.50, 32.87
CIElCh	88, 65.365, 149.812
Yxy	71.6576, 0.2848, 0.4492
Android (android.graphics.Color)	4285527707 (0xFF6FF69B)
YUV	195.2610, -19.8487, -73.8969
Hunter-Lab	84.6508, -52.3472, 29.5251

Details

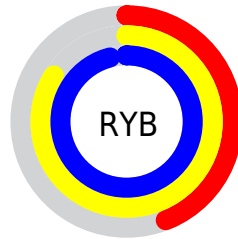
The XYZ color **45.4277, 71.6576, 42.4474** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **54.3534, 35.2274, 59.8142**, and the grayscale version is **52.1655, 54.8822, 59.7667**.

A 20% lighter version of the original color is **64.1874, 84.8311, 73.9638**, and **21.6006, 37.8667, 19.0025** is the 20% darker color. If you saturate the color by 10%, you get **41.4499, 69.7590, 35.4848**, and if you desaturate by 10%, it is **50.4526, 74.0779, 50.4605**.

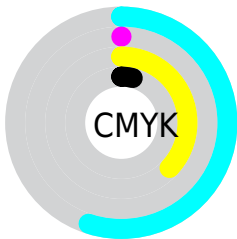
Distribution



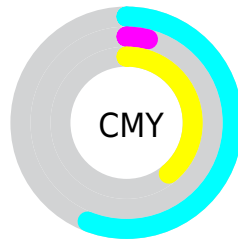
- Red (44%)
- Green (96%)
- Blue (61%)



- Red (44%)
- Yellow (84%)
- Blue (96%)



- Cyan (55%)
- Magenta (0%)
- Yellow (37%)
- Black (4%)




- Cyan (56%)
- Magenta (4%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4277, 71.6576, 42.4474 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 45.4277, 71.6576, 42.4474 by changing the saturation by 10% instead.


 45.4277, 71.6576,
42.4474

 45.4277, 71.6576,
42.4474


359.2576,
466.3490, 372.1885


 31.9972, 52.8790,
29.1236


 82.5950, 121.5696,
80.1537

 21.5149, 37.7062,
18.9280


 107.0624,
153.4718, 105.3732

 13.6155, 25.7547,
11.4419


 135.9395,
190.5174, 135.3951

 7.9336, 16.6403,
6.2470

169.5917,
233.0906, 170.6379

 4.1039, 9.9783,
2.9247

208.3842,
281.5761, 211.5201

 1.7611, 5.3846,
1.0563


252.6824,

 0.4941, 2.4746,

336.3580, 258.4602

0.0000


302.8518,
397.8208, 311.8768


 0.0000, 0.8639,
0.0000

 0.0000, 0.0000,
0.0000


 45.4277, 71.6576,
42.4474


 45.4277, 71.6576,
42.4474


 41.4499, 69.7590,
35.4848


 50.4526, 74.0779,
50.4605


 38.4341, 68.3331,
29.5236

 56.5901, 77.0468,
59.5608


 36.2902, 67.3365,
24.5180


 63.9066, 80.5998,
69.7888


 34.9067, 66.7126,
20.4163

 72.4615, 84.7668,
81.1818

 34.4117, 66.4961,
18.6455

 82.3104, 89.5755,
93.7753

 92.1664, 94.3620,
107.5405

 92.2471, 94.3943,
107.9657

Harmonies

Analogous

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



54.3200, 71.6576, 24.8707



45.4277, 71.6576, 42.4474



42.4070, 71.6576, 77.7427

Triad

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



45.4277, 71.6576, 42.4474



68.0105, 71.6576, 198.5339



97.4298, 71.6576, 42.7720

Complementary

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



45.4277, 71.6576, 42.4474



54.3534, 35.2274, 59.8142

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.



102.5314, 71.6576, 78.3038



45.4277, 71.6576, 42.4474



84.0524, 71.6576, 178.1861

Square

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



45.4277, 71.6576, 42.4474



54.1743, 71.6576, 177.7001



97.3055, 71.6576, 129.3876



84.2478, 71.6576, 25.0019

Rectangle

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



45.4277, 71.6576, 42.4474



43.7082, 71.6576, 110.7326



97.3055, 71.6576, 129.3876



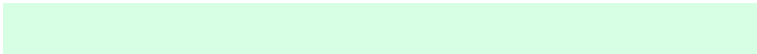
100.2283, 71.6576, 52.4868

Sweetspot

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



45.4295, 71.6605, 42.4490



77.4839, 91.4198, 86.5957



60.5242, 79.7942, 27.2513



16.1579, 19.3595, 17.9734



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.



45.4295, 71.6605, 42.4490



44.5115, 75.4714, 37.6371



52.5979, 74.5279, 80.1973



16.5049, 18.5611, 18.6769



18.4240, 35.5144, 10.2525



1.6646, 3.1395, 1.1395

Inverse Universe

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



54.3534, 35.2274, 59.8142



55.0664, 32.2049, 58.0474



48.1186, 32.7335, 26.9825



16.9705, 16.6710, 19.5912



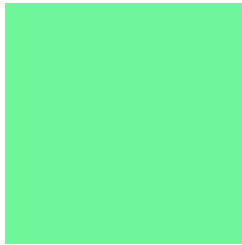
24.0185, 11.9508, 20.6037



2.1581, 1.0692, 2.0588

Previews

White Background



This preview shows how the XYZ color 45.4277, 71.6576, 42.4474 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 45.4277, 71.6576, 42.4474 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

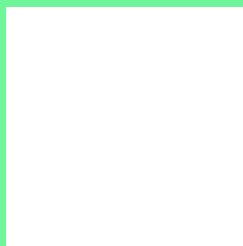
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4277, 71.6576, 42.4474

Background



This preview shows how black text looks on a background with the XYZ color 45.4277, 71.6576, 42.4474.

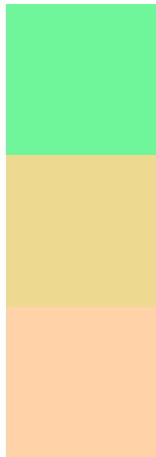


This preview shows how white text looks on a background with the XYZ color 45.4277, 71.6576,

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

45.4277, 71.6576, 42.4474

Protanopia

65.0305, 70.1609, 36.5005

Deuteranopia

71.3545, 70.1803, 46.8312



Tritanopia

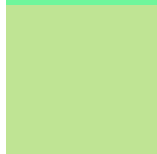
57.4690, 71.2559, 103.6533

Trichromacy



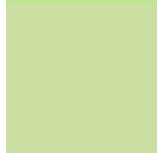
Original Color

45.4277, 71.6576, 42.4474



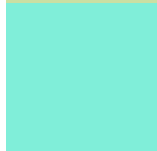
Protanomaly

54.5746, 68.7013, 38.4013



Deuteranomaly

57.6271, 68.1162, 44.7608



Tritanomaly

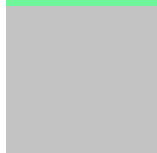
52.0010, 70.7480, 76.5606

Monochromacy



Original Color

45.4277, 71.6576, 42.4474



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.5946, 59.2809, 52.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4277, 71.6576, 42.4474 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(111, 246, 155)` looks like.

```
.text, #text, p{  
    color:rgb(111, 246, 155)  
}
```

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(111, 246, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 246, 155) }
```

Border

The CSS property to change the border of an element to XYZ 45.4277, 71.6576, 42.4474 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(111, 246, 155) }
```


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

```
.border{ border-color:rgb(111, 246, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 246, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 246, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 246, 155);  
box-shadow:4px 4px 4px 4px rgb(111, 246,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4277, 71.6576, 42.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 246, 155) }
```

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

```
.background{ background-color: rgb(111,  
246, 155) }
```

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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