

Converting Colors

XYZ(42.8445, 73.6843, 25.2032)

Have a look what the booklet for
XYZ(42.8445, 73.6843, 25.2032)
contains.

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Color

**XYZ(42.7270, 73.4074,
25.2817)**

Conversions

Conversions Part 1

Format	Color
Hex	65FC69
RGB	101, 252, 105
RGB Percent	40%, 99%, 41%
CMY	0.6039, 0.0117, 0.5882
CMYK	0.60, 0.00, 0.58, 0.01
HSL	122°, 96%, 69%
HSV	122°, 60%, 99%
XYZ	42.7270, 73.4074, 25.2817
YIQ	190.0930, -42.8090, -77.7290

Conversions

Conversions Part 2

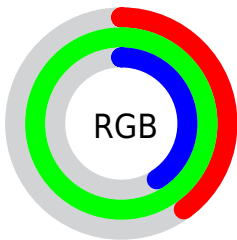
Format	Color
RYB	101, 248, 252
Decimal	6683753
CIELab	88.64, -68.02, 57.49
CIELCh	89, 89.060, 139.795
Yxy	73.4074, 0.3021, 0.5191
Android (android.graphics.Color)	4284873833 (0xFF65FC69)
YUV	190.0930, -41.9508, -78.1346
Hunter-Lab	85.6781, -60.9202, 42.4795

Details

The XYZ color **42.7270, 73.4074, 25.2817** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **61.7437, 36.7812, 92.6529**, and the grayscale version is **49.2506, 51.8154, 56.4270**.

A 20% lighter version of the original color is **57.6222, 82.0574, 46.0594**, and **19.8800, 38.8203, 9.4629** is the 20% darker color. If you saturate the color by 10%, you get **39.2420, 71.7382, 19.4598**, and if you desaturate by 10%, it is **47.4439, 75.6739, 33.0623**.

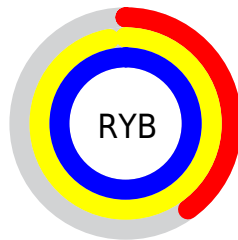
Distribution



Red (40%)

Green (99%)

Blue (41%)



Red (40%)

Yellow (97%)

Blue (99%)

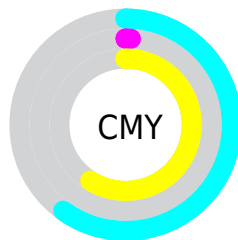


Cyan (60%)

Magenta (0%)

Yellow (58%)

Black (1%)



Cyan (60%)


Magenta (1%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7270, 73.4074, 25.2817 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 42.7270, 73.4074, 25.2817 by changing the saturation by 10% instead.


 42.7270, 73.4074,
25.2817


 42.7270, 73.4074,
25.2817


348.4284,
472.4256, 292.7304


 29.8646, 54.3092,
16.0661


 78.5570, 124.0554,
53.0836


 19.8834, 38.8489,
9.4161


 102.2553,
156.3739, 72.5071

 12.4181, 26.6422,
4.9131


 130.2963,
193.8680, 96.1702

 7.1033, 17.3047,
2.1385

 163.0452,
236.9221, 124.4916

 3.5737, 10.4520,
0.6385

200.8676,
285.9204, 157.8898

 1.4639, 5.6996,
0.0000

244.1287,

 0.3011, 2.6633,

341.2476, 196.7833

0.0000

293.1938,
403.2878, 241.5906

0.0000, 0.9586,
0.0000

0.0000, 0.0000,
0.0000

42.7270, 73.4074,
25.2817

42.7270, 73.4074,
25.2817

39.2420, 71.7382,
19.4598

47.4439, 75.6739,
33.0623

36.8693, 70.6021,
15.4180


53.4875, 78.5769,
42.9497


35.4754, 69.9366,
12.9540


60.9492, 82.1627,
55.0833


34.8520, 69.6401,
11.8024

69.9110, 86.4709,
69.5892

 34.8485, 69.6384,
11.7967

 80.4486, 91.5380,
86.5843

 92.6325, 97.3980,
106.1776

 94.1019, 98.1037,
108.5840

Harmonies

Analogous

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



56.6899, 73.4074, 12.2761



42.7270, 73.4074, 25.2817



36.4879, 73.4074, 60.7381

Triad

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



42.7270, 73.4074, 25.2817



62.7023, 73.4074, 262.1825



116.3316, 73.4074, 46.1704

Complementary

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



42.7270, 73.4074, 25.2817



61.7437, 36.7812, 92.6529

Split Complementary

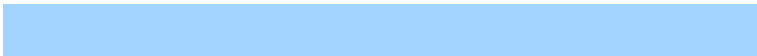
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.8644, 73.4074, 102.7863



42.7270, 73.4074, 25.2817



84.7251, 73.4074, 251.0369

Square

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



42.7270, 73.4074, 25.2817



46.3482, 73.4074, 208.6944



106.3364, 73.4074, 183.2698



99.9960, 73.4074, 19.3261

Rectangle

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



42.7270, 73.4074, 25.2817



36.4546, 73.4074, 101.8038



106.3364, 73.4074, 183.2698



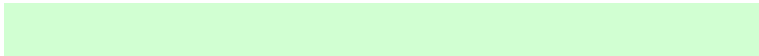
118.9376, 73.4074, 61.4348

Sweetspot

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



42.7288, 73.4105, 25.2833



73.7552, 89.7589, 74.6179



76.4019, 90.7928, 25.8100



15.1586, 18.9101, 14.9569



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.



42.7288, 73.4105, 25.2833



39.7018, 73.4003, 18.9616



48.3174, 75.6459, 54.7126



17.0360, 19.3167, 18.3904



18.1605, 36.2772, 6.1887



1.6883, 3.3624, 0.6066

Inverse Universe

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



61.7437, 36.7812, 92.6529



60.7948, 32.7279, 93.6640



52.4389, 33.0592, 43.6544



17.9720, 17.5162, 21.7083



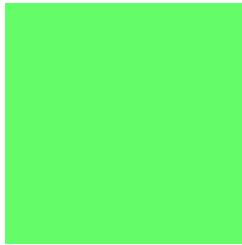
29.5319, 14.2285, 46.3708



2.7413, 1.3203, 4.3270

Previews

White Background



This preview shows how the XYZ color 42.7270, 73.4074, 25.2817 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 42.7270, 73.4074, 25.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

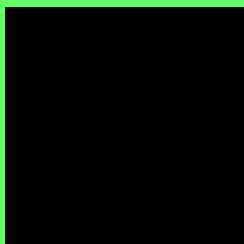
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

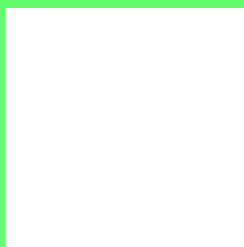
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7270, 73.4074, 25.2817

Background



This preview shows how black text looks on a background with the XYZ color 42.7270, 73.4074, 25.2817.

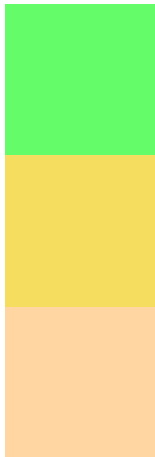


This preview shows how white text looks on a background with the XYZ color 42.7270, 73.4074,

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

42.7270, 73.4074, 25.2817

Protanopia

65.5782, 71.9516, 21.2582

Deuteranopia

71.7196, 71.9263, 43.8214



Tritanopia

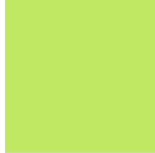
58.8607, 72.7864, 105.5546

Trichromacy



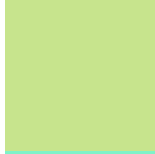
Original Color

42.7270, 73.4074, 25.2817



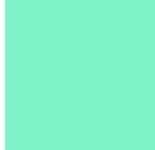
Protanomaly

53.1011, 69.9515, 22.5077



Deuteranomaly

56.1043, 69.5520, 35.6672



Tritanomaly

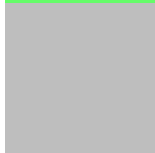
50.7816, 72.1100, 65.8857

Monochromacy



Original Color

42.7270, 73.4074, 25.2817



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.1528, 57.3608, 41.5455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7270, 73.4074, 25.2817 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(101, 252, 105)` looks like.

```
.text, #text, p{  
    color:rgb(101, 252, 105)  
}
```

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(101, 252, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 252, 105) }
```

Border

The CSS property to change the border of an element to XYZ 42.7270, 73.4074, 25.2817 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(101, 252, 105) }
```


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

```
.border{ border-color:rgb(101, 252, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 252, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 252, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 252, 105);  
box-shadow:4px 4px 4px 4px rgb(101, 252,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7270, 73.4074, 25.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 252, 105) }
```

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

```
.background{ background-color: rgb(101,  
252, 105) }
```

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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