

Converting Colors

XYZ(42.9982, 72.2496, 26.8034)

Have a look what the booklet for
XYZ(42.9982, 72.2496, 26.8034)
contains.

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Color

**XYZ(42.9293, 72.0872,
26.6905)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF96F
RGB	108, 249, 111
RGB Percent	42%, 98%, 44%
CMY	0.5765, 0.0235, 0.5647
CMYK	0.57, 0.00, 0.55, 0.02
HSL	121°, 92%, 70%
HSV	121°, 57%, 98%
XYZ	42.9293, 72.0872, 26.6905
YIQ	191.1090, -39.7380, -72.8100

Conversions

Conversions Part 2

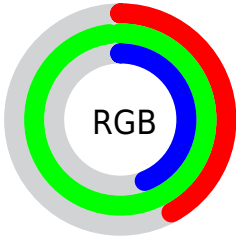
Format	Color
RYB	108, 246, 249
Decimal	7141743
CIELab	88.01, -64.69, 54.16
CIELCh	88, 84.373, 140.065
Yxy	72.0872, 0.3029, 0.5087
Android (android.graphics.Color)	4285331823 (0xFF6CF96F)
YUV	191.1090, -39.4937, -72.8866
Hunter-Lab	84.9042, -58.3290, 40.7945

Details

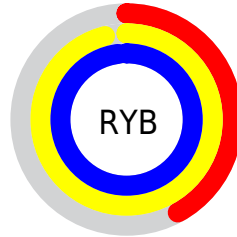
The XYZ color **42.9293, 72.0872, 26.6905** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **61.0661, 37.5199, 91.2140**, and the grayscale version is **49.8246, 52.4194, 57.0847**.

A 20% lighter version of the original color is **59.2205, 82.8192, 48.9409**, and **19.9344, 37.8483, 10.1257** is the 20% darker color. If you saturate the color by 10%, you get **39.1586, 70.2799, 20.4400**, and if you desaturate by 10%, it is **47.9340, 74.4926, 34.9121**.

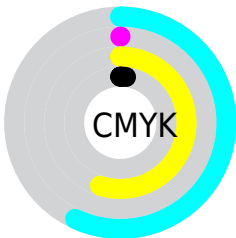
Distribution



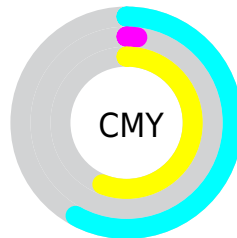
- Red (42%)
- Green (98%)
- Blue (44%)



- Red (42%)
- Yellow (96%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (55%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9293, 72.0872, 26.6905 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 42.9293, 72.0872, 26.6905 by changing the saturation by 10% instead.


 42.9293, 72.0872,
26.6905


 42.9293, 72.0872,
26.6905


349.2474,
467.8451, 299.8681


 30.0239, 53.2299,
17.1105


 78.8605, 122.1805,
55.3845

 20.0049, 37.9863,
10.1505


 102.6171,
154.1853, 75.3356

 12.5069, 25.9721,
5.3920

 130.7215,
191.3414, 99.5809

 7.1645, 16.8028,
2.4163

163.5390,
234.0332, 128.5388

 3.6125, 10.0940,
0.7953

201.4349,
282.6450, 162.6279

 1.4853, 5.4613,
0.0000

244.7748,

 0.3158, 2.5204,

337.5614, 202.2668

0.0000

293.9238,
399.1666, 247.8740

0.0000, 0.8868,
0.0000

0.0000, 0.0000,
0.0000

42.9293, 72.0872,
26.6905

42.9293, 72.0872,
26.6905

39.1586, 70.2799,
20.4400

47.9340, 74.4926,
34.9121

36.5104, 69.0105,
15.9915


54.2616, 77.5324,
45.2459


34.8621, 68.2218,
13.1554


61.9986, 81.2506,
57.8256

34.0583, 67.8388,
11.6978

71.2230, 85.6846,
72.7726

 33.9062, 67.7658,
11.4453

 82.0068, 90.8693,
90.1995

 93.1671, 96.2342,
108.2724

Harmonies

Analogous

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



56.0831, 72.0872, 13.6419



42.9293, 72.0872, 26.6905



37.0399, 72.0872, 60.8866

Triad

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



42.9293, 72.0872, 26.6905



62.0571, 72.0872, 246.0027



111.6542, 72.0872, 46.2859

Complementary

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



42.9293, 72.0872, 26.6905



61.0661, 37.5199, 91.2140

Split Complementary

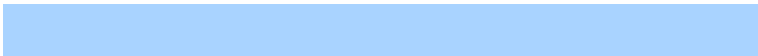
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.1204, 72.0872, 99.1978



42.9293, 72.0872, 26.6905



82.6642, 72.0872, 235.3174

Square

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



42.9293, 72.0872, 26.6905



46.5641, 72.0872, 197.7720



102.6648, 72.0872, 173.2471



96.4690, 72.0872, 20.5025

Rectangle

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



42.9293, 72.0872, 26.6905



37.0501, 72.0872, 99.4890



102.6648, 72.0872, 173.2471



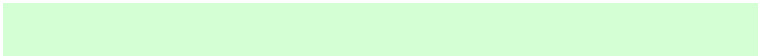
114.0989, 72.0872, 60.6767

Sweetspot

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



42.9311, 72.0902, 26.6921



74.7667, 90.2475, 76.1459



74.8200, 88.5483, 27.3358



15.5589, 19.1031, 15.5793



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.



42.9311, 72.0902, 26.6921



40.8563, 73.9565, 20.7770



48.3870, 74.2726, 55.4228



17.0324, 19.3152, 18.3711



18.1551, 36.2751, 6.1603



1.6866, 3.3617, 0.5974

Inverse Universe

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



61.0661, 37.5199, 91.2140



61.6884, 34.2189, 94.8749



52.2829, 34.0066, 44.9620



17.9762, 17.5178, 21.7302



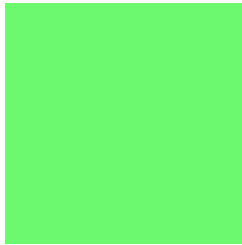
29.6353, 14.2699, 46.9155



2.7497, 1.3236, 4.3712

Previews

White Background



This preview shows how the XYZ color 42.9293, 72.0872, 26.6905 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 42.9293, 72.0872, 26.6905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

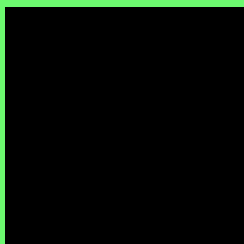
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

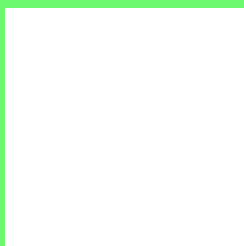
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9293, 72.0872, 26.6905

Background



This preview shows how black text looks on a background with the XYZ color 42.9293, 72.0872, 26.6905.

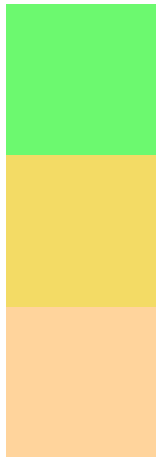


This preview shows how white text looks on a background with the XYZ color 42.9293, 72.0872,

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

42.9293, 72.0872, 26.6905

Protanopia

64.6426, 70.6573, 22.5431

Deuteranopia

70.7842, 70.7473, 41.3773



Tritanopia

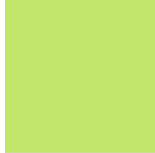
58.1369, 71.6002, 103.6846

Trichromacy



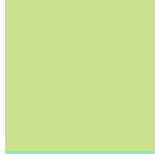
Original Color

42.9293, 72.0872, 26.6905



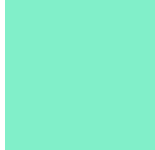
Protanomaly

53.0948, 69.0829, 23.9005



Deuteranomaly

56.0160, 68.3004, 35.0419



Tritanomaly

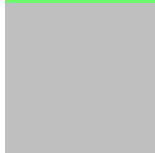
50.4624, 70.6172, 66.2292

Monochromacy



Original Color

42.9293, 72.0872, 26.6905



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

44.7630, 57.2727, 42.8779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9293, 72.0872, 26.6905 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(108, 249, 111)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 111)  
}
```

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(108, 249, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 111) }
```

Border

The CSS property to change the border of an element to XYZ 42.9293, 72.0872, 26.6905 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(108, 249, 111) }
```


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

```
.border{ border-color:rgb(108, 249, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 249, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 249, 111);  
box-shadow:4px 4px 4px 4px rgb(108, 249,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9293, 72.0872, 26.6905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 111) }
```

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

```
.background{ background-color: rgb(108,  
249, 111) }
```

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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