

Converting Colors

XYZ(49.2841, 77.8085, 43.4313)

Have a look what the booklet for
XYZ(49.2841, 77.8085, 43.4313)
contains.

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Color

**XYZ(49.2841, 77.8085,
43.4313)**

Conversions

Conversions Part 1

Format	Color
Hex	77FF9B
RGB	119, 255, 155
RGB Percent	47%, 100%, 61%
CMY	0.5333, 0.0000, 0.3921
CMYK	0.53, 0.00, 0.39, 0.00
HSL	136°, 100%, 73%
HSV	136°, 53%, 100%
XYZ	49.2841, 77.8085, 43.4313
YIQ	202.9360, -48.9560, -59.9320

Conversions

Conversions Part 2

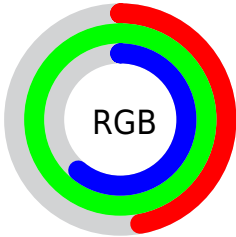
Format	Color
RYB	119, 227, 255
Decimal	7864219
CIELab	90.69, -58.19, 36.73
CIElCh	91, 68.812, 147.740
Yxy	77.8085, 0.2890, 0.4563
Android (android.graphics.Color)	4286054299 (0xFF77FF9B)
YUV	202.9360, -23.6324, -73.6119
Hunter-Lab	88.2091, -54.6347, 32.5539

Details

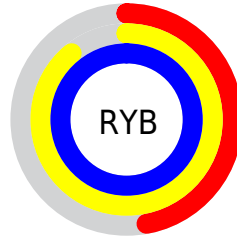
The XYZ color **49.2841, 77.8085, 43.4313** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.6230, 39.5684, 71.4592**, and the grayscale version is **56.8901, 59.8528, 65.1797**.

A 20% lighter version of the original color is **65.9833, 85.7568, 74.0478**, and **23.8306, 41.6418, 19.6136** is the 20% darker color. If you saturate the color by 10%, you get **44.7871, 75.6582, 35.6299**, and if you desaturate by 10%, it is **54.9652, 80.5409, 52.5669**.

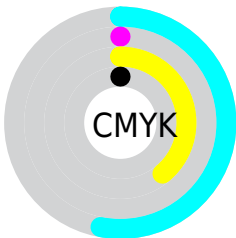
Distribution



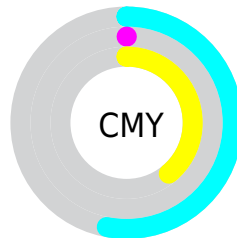
- Red (47%)
- Green (100%)
- Blue (61%)



- Red (47%)
- Yellow (89%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2841, 77.8085, 43.4313 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 49.2841, 77.8085, 43.4313 by changing the saturation by 10% instead.


 49.2841, 77.8085,
43.4313

 49.2841, 77.8085,
43.4313


374.3581,
487.5162, 376.3557


 35.0604, 57.9167,
29.8898


 88.3114, 130.2801,
81.6546

 23.8761, 41.7417,
19.5036


 113.8458,
163.6287, 107.1735

 15.3660, 28.8991,
11.8542


 143.8810,
202.2317, 137.5219

 9.1646, 19.0045,
6.5232

178.7825,
246.4735, 173.1184

 4.9067, 11.6735,
3.0918

218.9156,
296.7384, 214.3814

 2.2268, 6.5218,
1.1417


264.6456,


 0.7568, 3.1649,


353.4109, 261.7297


0.0000


316.3380,
416.8754, 315.5816


 0.0000, 1.2184,
0.0000


 0.0000, 0.0767,
0.0000


 49.2841, 77.8085,
43.4313


 49.2841, 77.8085,
43.4313


 44.7871, 75.6582,
35.6299


 54.9652, 80.5409,
52.5669


 41.3846, 74.0452,
29.0962


 61.9080, 83.8943,
63.0917


 38.9759, 72.9190,
23.7633

 70.1849, 87.9048,
75.0618

 37.4393, 72.2184,
19.5565

 79.8624, 92.6056,
88.5295

 36.7883, 71.9313,
17.3349

 91.0023, 98.0277,
103.5441

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



59.5537, 77.8085, 25.3577



49.2841, 77.8085, 43.4313



45.4956, 77.8085, 81.0264

Triad

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



49.2841, 77.8085, 43.4313



72.6533, 77.8085, 219.6546



107.3993, 77.8085, 47.7247

Complementary

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



49.2841, 77.8085, 43.4313



60.6230, 39.5684, 71.4592

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.



112.3328, 77.8085, 88.5247



49.2841, 77.8085, 43.4313



90.5079, 77.8085, 199.8017

Square

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



49.2841, 77.8085, 43.4313



57.6128, 77.8085, 193.2328



105.7294, 77.8085, 146.2739



93.1269, 77.8085, 27.0725

Rectangle

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



49.2841, 77.8085, 43.4313



46.6280, 77.8085, 117.1169



105.7294, 77.8085, 146.2739



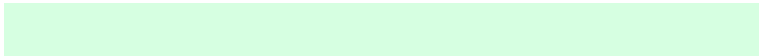
110.2935, 77.8085, 58.9274

Sweetspot

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



49.2846, 77.8087, 43.4326



77.1406, 91.2825, 84.7881



68.9088, 88.2242, 30.8503



16.0767, 19.3271, 17.5461



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

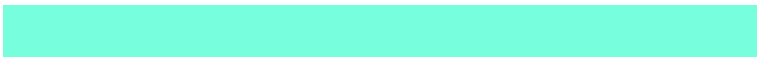
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.2846, 77.8087, 43.4326



44.5270, 75.5343, 35.1552



56.4191, 80.6625, 81.0027



17.9690, 20.2471, 20.1396



19.2747, 37.6065, 9.3320



1.9195, 3.6787, 1.1341

Inverse Universe

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



60.6230, 39.5684, 71.4592



56.9080, 33.6230, 65.6443



53.5869, 36.7539, 34.4073



18.5753, 18.2134, 21.6467



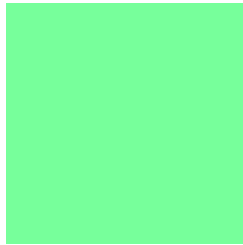
26.3285, 13.0207, 26.1779



2.6087, 1.2858, 2.7867

Previews

White Background



This preview shows how the XYZ color 49.2841, 77.8085, 43.4313 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 49.2841, 77.8085, 43.4313 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 49.2841, 77.8085, 43.4313

Background



This preview shows how black text looks on a background with the XYZ color 49.2841, 77.8085, 43.4313.

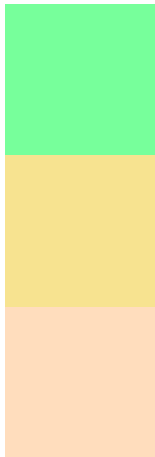


This preview shows how white text looks on a background with the XYZ color 49.2841, 77.8085,

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

49.2841, 77.8085, 43.4313

Protanopia

70.8609, 76.7259, 37.4604

Deuteranopia

76.2818, 76.6470, 58.9180



Tritanopia

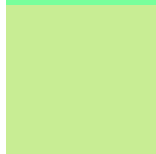
64.8529, 77.1685, 106.0846

Trichromacy



Original Color

49.2841, 77.8085, 43.4313



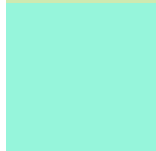
Protanomaly

59.4489, 74.9859, 39.3574



Deuteranomaly

62.5283, 74.5740, 52.6936



Tritanomaly

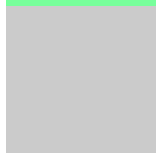
58.0163, 76.9033, 78.8039

Monochromacy



Original Color

49.2841, 77.8085, 43.4313



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.9975, 64.5584, 56.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2841, 77.8085, 43.4313 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(119, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 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(119, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 49.2841, 77.8085, 43.4313 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(119, 255, 155) }
```


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

```
.border{ border-color:rgb(119, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2841, 77.8085, 43.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 155) }
```

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

```
.background{ background-color: rgb(119,  
255, 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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