

Converting Colors

XYZ(48.7664, 77.3896, 50.2766)

Have a look what the booklet for
XYZ(48.7664, 77.3896, 50.2766)
contains.

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Color

**XYZ(48.8414, 77.4255,
50.4006)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 69FFAA |
| RGB | 105, 255, 170 |
| RGB Percent | 41%, 100%, 67% |
| CMY | 0.5882, 0.0000, 0.3333 |
| CMYK | 0.59, 0.00, 0.33, 0.00 |
| HSL | 146°, 100%, 71% |
| HSV | 146°, 59%, 100% |
| XYZ | 48.8414, 77.4255, 50.4006 |
| YIQ | 200.4600, -62.1150, -58.2350 |

Conversions

Conversions Part 2

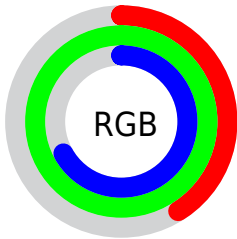
| Format | Color |
|-------------------------------------|--|
| RYB | 105, 210, 255 |
| Decimal | 6946730 |
| CIELab | 90.52, -58.64, 28.94 |
| CIELCh | 91, 65.392, 153.734 |
| Yxy | 77.4255, 0.2765, 0.4383 |
| Android (android.graphics.Color) | 4285136810 (0xFF69FFAA) |
| YUV | 200.4600, -15.0168, -83.7184 |
| Hunter-Lab | 87.9918, -54.9060, 27.6336 |

Details

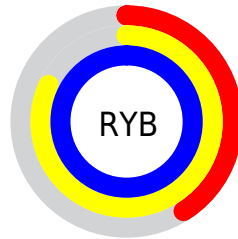
The XYZ color **48.8414, 77.4255, 50.4006** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.5862, 35.0815, 52.5572**, and the grayscale version is **55.3008, 58.1807, 63.3588**.

A 20% lighter version of the original color is **65.4238, 85.2265, 84.9537**, and **23.5538, 41.4110, 23.5813** is the 20% darker color. If you saturate the color by 10%, you get **44.9894, 75.5891, 43.4732**, and if you desaturate by 10%, it is **53.7425, 79.7854, 58.1640**.

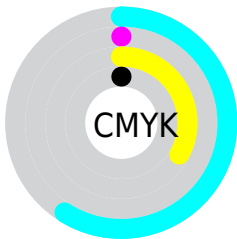
Distribution



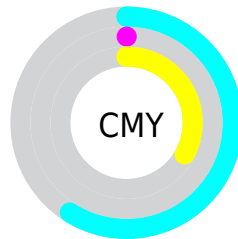
- Red (41%)
- Green (100%)
- Blue (67%)



- Red (41%)
- Yellow (82%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8414, 77.4255, 50.4006 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 48.8414, 77.4255, 50.4006 by changing the saturation by 10% instead.


 48.8414, 77.4255,
50.4006


 48.8414, 77.4255,
50.4006


372.6449,
486.2136, 405.0103


 34.7077, 57.6022,
35.3584


 87.6580, 129.7399,
92.1705

 23.6033, 41.4889,
23.6533


 113.0716,
162.9998, 119.7354

 15.1627, 28.7013,
14.8668


 142.9759,
201.5074, 152.3115

 9.0207, 18.8550,
8.5804

177.7362,
245.6470, 190.3174

 4.8119, 11.5655,
4.3755

217.7179,
295.8030, 234.1718

 2.1710, 6.4486,
1.8335

263.2864,

 0.7274, 3.1197,

352.3598, 284.2930

0.4499

314.8069,
415.7019, 341.0997

■ 0.0000, 1.1945,
0.0000

■ 0.0000, 0.0572,
0.0000

■ 48.8414, 77.4255,
50.4006

■ 48.8414, 77.4255,
50.4006

■ 44.9894, 75.5891,
43.4732

■ 53.7425, 79.7854,
58.1640

■ 42.0969, 74.2305,
37.3486

■ 59.7684, 82.7072,
66.7873

■ 40.0609, 73.2973,
31.9966

■ 66.9893, 86.2267,
76.2981

■ 38.7335, 72.7138,
27.3823

■ 75.4691, 90.3763,
86.7215

■ 38.6018, 72.6567,
26.8850

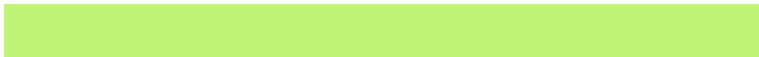
■ 85.2672, 95.1861,
98.0816

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.



57.4735, 77.4255, 29.3999



48.8414, 77.4255, 50.4006



46.4616, 77.4255, 90.3043

Triad

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



48.8414, 77.4255, 50.4006



75.6572, 77.4255, 209.8761



102.9600, 77.4255, 43.5306

Complementary

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



48.8414, 77.4255, 50.4006



55.5862, 35.0815, 52.5572

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.



109.6386, 77.4255, 78.5740



48.8414, 77.4255, 50.4006



92.4701, 77.4255, 183.5594

Square

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



48.8414, 77.4255, 50.4006



60.5339, 77.4255, 193.5879



105.5426, 77.4255, 130.7655



88.4015, 77.4255, 26.5892

Rectangle

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



48.8414, 77.4255, 50.4006



48.3958, 77.4255, 125.9908



105.5426, 77.4255, 130.7655



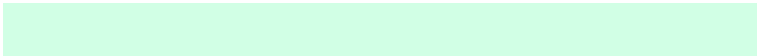
106.2914, 77.4255, 53.0043

Sweetspot

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



48.8420, 77.4258, 50.4019



76.2243, 90.7465, 87.6200



59.5455, 83.4873, 26.3417



15.7517, 19.1474, 18.0798



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.



48.8420, 77.4258, 50.4019



44.2810, 75.2542, 42.0720



58.0675, 81.1160, 98.9829



18.0984, 20.2989, 20.8211



20.2419, 37.9934, 14.4251



2.0245, 3.7207, 1.6867

Inverse Universe

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



55.5862, 35.0815, 52.5572



51.5759, 29.3071, 44.2956



49.3866, 32.6017, 19.9103



18.4406, 18.1596, 20.9374



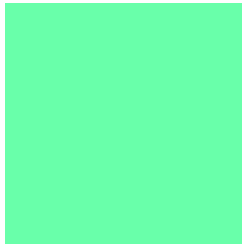
24.2755, 12.1995, 15.3672



2.4185, 1.2098, 1.7851

Previews

White Background



This preview shows how the XYZ color 48.8414, 77.4255, 50.4006 looks on a white background.

Color Contrast Check

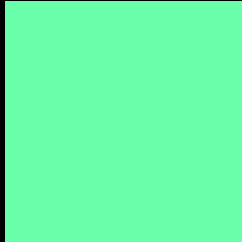
Large Text (above 18pt) WCAG AA × Fail

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 48.8414, 77.4255, 50.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

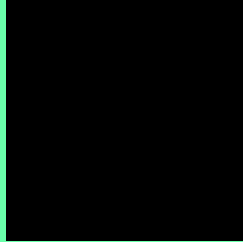
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8414, 77.4255, 50.4006

Background



This preview shows how black text looks on a background with the XYZ color 48.8414, 77.4255, 50.4006.

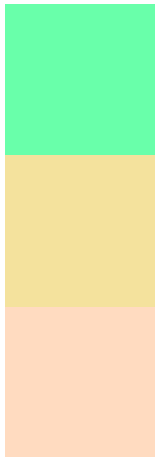


This preview shows how white text looks on a background with the XYZ color 48.8414, 77.4255,

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

48.8414, 77.4255, 50.4006

Protanopia

70.5904, 76.0601, 42.8588

Deuteranopia

76.0859, 75.7288, 60.4761



Tritanopia

63.6144, 76.5301, 106.0267

Trichromacy



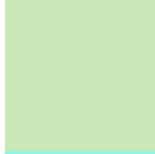
Original Color

48.8414, 77.4255, 50.4006



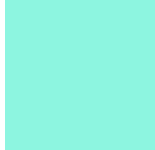
Protanomaly

58.7981, 74.5145, 45.4662



Deuteranomaly

61.3278, 73.4533, 56.2930



Tritanomaly

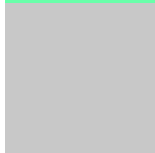
57.0915, 76.3494, 82.2489

Monochromacy



Original Color

48.8414, 77.4255, 50.4006



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.2956, 62.8599, 57.6264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8414, 77.4255, 50.4006 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(105, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 170)  
}
```

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(105, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.8414, 77.4255, 50.4006 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(105, 255, 170) }
```


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

```
.border{ border-color:rgb(105, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8414, 77.4255, 50.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 170) }
```

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

```
.background{ background-color: rgb(105,  
255, 170) }
```

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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