

Converting Colors

XYZ(48.8783, 77.5697, 44.7501)

Have a look what the booklet for
XYZ(48.8783, 77.5697, 44.7501)
contains.

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Color

**XYZ(48.8710, 77.5660,
44.7437)**

Conversions

Conversions Part 1

Format	Color
Hex	72FF9E
RGB	114, 255, 158
RGB Percent	45%, 100%, 62%
CMY	0.5529, 0.0000, 0.3804
CMYK	0.55, 0.00, 0.38, 0.00
HSL	139°, 100%, 72%
HSV	139°, 55%, 100%
XYZ	48.8710, 77.5660, 44.7437
YIQ	201.7830, -52.8990, -60.0590

Conversions

Conversions Part 2

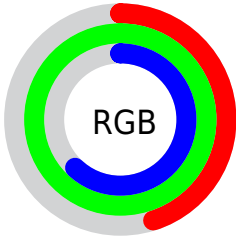
Format	Color
RYB	114, 221, 255
Decimal	7536542
CIELab	90.58, -58.84, 35.07
CIElCh	91, 68.495, 149.203
Yxy	77.5660, 0.2855, 0.4531
Android (android.graphics.Color)	4285726622 (0xFF72FF9E)
YUV	201.7830, -21.5850, -76.9857
Hunter-Lab	88.0716, -55.0754, 31.5285

Details

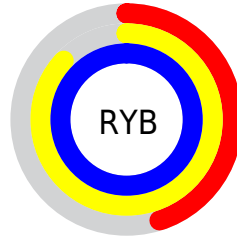
The XYZ color **48.8710, 77.5660, 44.7437** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.0154, 37.9983, 65.8518**, and the grayscale version is **56.1577, 59.0822, 64.3406**.

A 20% lighter version of the original color is **65.4494, 85.4381, 75.9924**, and **23.5548, 41.4879, 20.1311** is the 20% darker color. If you saturate the color by 10%, you get **44.5999, 75.5264, 37.2167**, and if you desaturate by 10%, it is **54.2831, 80.1689, 53.4518**.

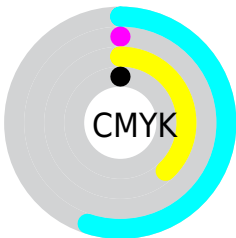
Distribution



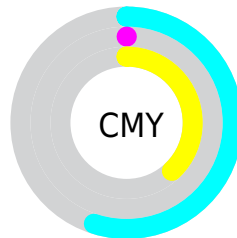
- Red (45%)
- Green (100%)
- Blue (62%)



- Red (45%)
- Yellow (87%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8710, 77.5660, 44.7437 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 48.8710, 77.5660, 44.7437 by changing the saturation by 10% instead.


 48.8710, 77.5660,
44.7437


 48.8710, 77.5660,
44.7437


372.7596,
486.6917, 381.8644


 34.7313, 57.7175,
30.9141


 87.7017, 129.9381,
83.6500

 23.6215, 41.5816,
20.2755


 113.1234,
163.2306, 109.5639

 15.1763, 28.7738,
12.4094


 143.0364,
201.7732, 140.3429

 9.0303, 18.9098,
6.8973

177.8062,
245.9503, 176.4056

 4.8182, 11.6051,
3.3205

217.7981,
296.1463, 218.1706

 2.1747, 6.4754,
1.2605

263.3774,

 0.7293, 3.1362,

352.7456, 266.0563

0.0291

314.9094,
416.1326, 320.4814

0.0000, 1.2033,
0.0000

0.0000, 0.0644,
0.0000

48.8710, 77.5660,
44.7437

48.8710, 77.5660,
44.7437

44.5999, 75.5264,
37.2167

54.2831, 80.1689,
53.4518

41.3801, 74.0048,
30.8154

60.9129, 83.3738,
63.3855

39.1103, 72.9503,
25.4856

68.8324, 87.2166,
74.5916

37.6662, 72.3000,
21.1664

78.1071, 91.7303,
87.1132

■ 37.1924, 72.0929,
19.4627

■ 88.7981, 96.9456,
100.9914

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.



58.7769, 77.5660, 25.9322



48.8710, 77.5660, 44.7437



45.4227, 77.5660, 83.1497

Triad

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



48.8710, 77.5660, 44.7437



73.2665, 77.5660, 218.4558



106.4175, 77.5660, 46.2496

Complementary

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



48.8710, 77.5660, 44.7437



59.0154, 37.9983, 65.8518

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.



111.8570, 77.5660, 85.7763



48.8710, 77.5660, 44.7437



91.0123, 77.5660, 196.6243

Square

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



48.8710, 77.5660, 44.7437



58.0966, 77.5660, 194.3263



105.8329, 77.5660, 142.6243



91.9294, 77.5660, 26.5346

Rectangle

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



48.8710, 77.5660, 44.7437



46.7619, 77.5660, 119.4838



105.8329, 77.5660, 142.6243



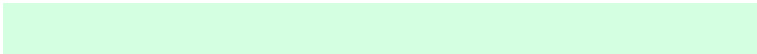
109.4559, 77.5660, 57.0455

Sweetspot

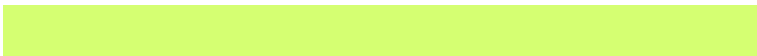
The Sweet Spot groups the original color and five complimentary colors.



48.8715, 77.5663, 44.7450



76.4255, 90.9110, 84.8811



66.1512, 86.8364, 29.1949



15.9458, 19.2579, 17.6165



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.



48.8715, 77.5663, 44.7450



44.3389, 75.4024, 36.7278



56.5373, 80.6326, 85.1126



18.0050, 20.2615, 20.3294



19.4926, 37.6936, 10.4793



1.9447, 3.6888, 1.2664

Inverse Universe

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



59.0154, 37.9983, 65.8518



55.3415, 32.3149, 59.4959



52.1552, 35.2542, 29.7266



18.5372, 18.1982, 21.4460



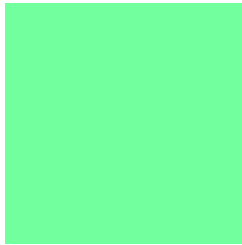
25.6841, 12.7629, 22.7848



2.5500, 1.2624, 2.4780

Previews

White Background



This preview shows how the XYZ color 48.8710, 77.5660, 44.7437 looks on a white background.

Color Contrast Check

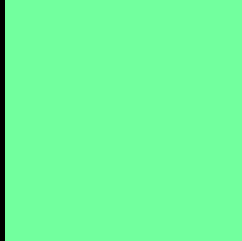
Large Text (above 18pt) WCAG AA × Fail

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 48.8710, 77.5660, 44.7437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

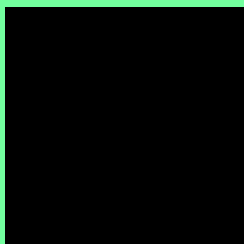
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8710, 77.5660, 44.7437

Background



This preview shows how black text looks on a background with the XYZ color 48.8710, 77.5660, 44.7437.



This preview shows how white text looks on a background with the XYZ color 48.8710, 77.5660,

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

48.8710, 77.5660, 44.7437

Protanopia

70.3907, 76.0609, 38.1654

Deuteranopia

76.0185, 76.1205, 58.8302



Tritanopia

64.2263, 76.8455, 106.0553

Trichromacy



Original Color

48.8710, 77.5660, 44.7437



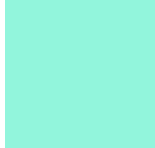
Protanomaly

59.0779, 74.7761, 40.1737



Deuteranomaly

62.0766, 74.3295, 53.1947



Tritanomaly

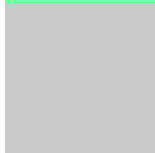
57.4247, 76.5831, 79.4656

Monochromacy



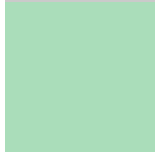
Original Color

48.8710, 77.5660, 44.7437



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.2969, 63.8041, 56.0662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8710, 77.5660, 44.7437 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(114, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(114, 255, 158)  
}
```

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(114, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 48.8710, 77.5660, 44.7437 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(114, 255, 158) }
```


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

```
.border{ border-color:rgb(114, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(114, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8710, 77.5660, 44.7437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 158) }
```

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

```
.background{ background-color: rgb(114,  
255, 158) }
```

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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