

Converting Colors

XYZ(48.2837, 77.0799, 53.0023)

Have a look what the booklet for
XYZ(48.2837, 77.0799, 53.0023)
contains.

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Color

**XYZ(48.2172, 77.0480,
52.8879)**

Conversions

Conversions Part 1

Format	Color
Hex	5FFFAF
RGB	95, 255, 175
RGB Percent	37%, 100%, 69%
CMY	0.6274, 0.0000, 0.3137
CMYK	0.63, 0.00, 0.31, 0.00
HSL	150°, 100%, 69%
HSV	150°, 63%, 100%
XYZ	48.2172, 77.0480, 52.8879
YIQ	198.0400, -69.6800, -58.8000

Conversions

Conversions Part 2

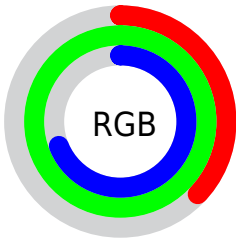
Format	Color
RYB	95, 202, 255
Decimal	6291375
CIELab	90.34, -59.61, 26.14
CIELCh	90, 65.084, 156.324
Yxy	77.0480, 0.2707, 0.4325
Android (android.graphics.Color)	4284481455 (0xFF5FFFAF)
YUV	198.0400, -11.3587, -90.3661
Hunter-Lab	87.7770, -55.5570, 25.7201

Details

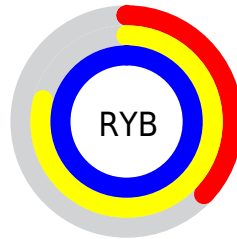
The XYZ color **48.2172, 77.0480, 52.8879** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **53.0706, 32.5404, 44.0420**, and the grayscale version is **53.7983, 56.6000, 61.6374**.

A 20% lighter version of the original color is **64.4819, 84.6605, 88.5439**, and **23.4791, 41.3376, 25.1538** is the 20% darker color. If you saturate the color by 10%, you get **44.7942, 75.4214, 46.4971**, and if you desaturate by 10%, it is **52.6263, 79.1694, 59.9447**.

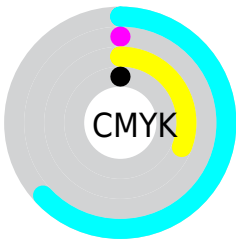
Distribution



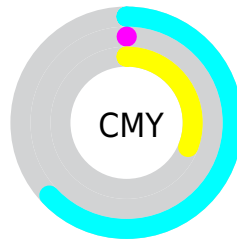
- Red (37%)
- Green (100%)
- Blue (69%)



- Red (37%)
- Yellow (79%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2172, 77.0480, 52.8879 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 48.2172, 77.0480, 52.8879 by changing the saturation by 10% instead.


 48.2172, 77.0480,
52.8879


 48.2172, 77.0480,
52.8879


370.2207,
484.9277, 414.9090


 34.2109, 57.2923,
37.3262


 86.7354, 129.2072,
95.8793


 23.2193, 41.2399,
25.1624


 111.9781,
162.3795, 124.1460

 14.8771, 28.5066,
15.9779


 141.6969,
200.7928, 157.4848

 8.8189, 18.7079,
9.3544

 176.2572,
244.8315, 196.3142

 4.6794, 11.4594,
4.8731

216.0244,
294.8799, 241.0528

 2.0932, 6.3767,
2.1156


261.3638,


 0.6855, 3.0755,


351.3224, 292.1191


0.6250


312.6408,
414.5436, 349.9317


 0.0000, 1.1713,
0.0000


 0.0000, 0.0381,
0.0000


 48.2172, 77.0480,
52.8879


 48.2172, 77.0480,
52.8879


 44.7942, 75.4214,
46.4971


 52.6263, 79.1694,
59.9447


 42.2639, 74.2416,
40.7472

 58.0989, 81.8250,
67.6836

 40.5166, 73.4526,
35.6163

 64.7069, 85.0516,
76.1250

 39.6235, 73.0654,
32.2649

 72.5148, 88.8820,
85.2871

■ 81.5822, 93.3467,
95.1874

■ 91.9647, 98.4739,
105.8426

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.



56.2645, 77.0480, 30.5371



48.2172, 77.0480, 52.8879



46.3971, 77.0480, 94.1223

Triad

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



48.2172, 77.0480, 52.8879



76.7218, 77.0480, 207.6981



101.3491, 77.0480, 41.3203

Complementary

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



48.2172, 77.0480, 52.8879



53.0706, 32.5404, 44.0420

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.



108.8175, 77.0480, 74.4315



48.2172, 77.0480, 52.8879



93.3073, 77.0480, 178.4176

Square

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



48.2172, 77.0480, 52.8879



61.4059, 77.0480, 195.1912



105.6764, 77.0480, 125.1240



86.4862, 77.0480, 25.7901

Rectangle

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



48.2172, 77.0480, 52.8879



48.6797, 77.0480, 130.0717



105.6764, 77.0480, 125.1240



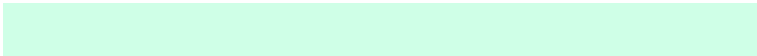
104.9004, 77.0480, 50.1846

Sweetspot

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



48.2178, 77.0484, 52.8892



75.7586, 90.4775, 88.9059



55.5054, 81.4605, 23.6255



15.6815, 19.1032, 18.4357



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.



48.2178, 77.0484, 52.8892



44.1488, 75.1179, 45.1443



58.5297, 81.1731, 107.1909



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2559



2.0783, 3.7423, 1.9704

Inverse Universe

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



53.0706, 32.5404, 44.0420



49.3499, 27.4149, 35.6621



47.3983, 30.2715, 14.1723



18.3882, 18.1386, 20.6613



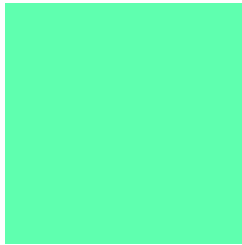
23.6429, 11.9464, 12.0357



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 48.2172, 77.0480, 52.8879 looks on a white background.

Color Contrast Check

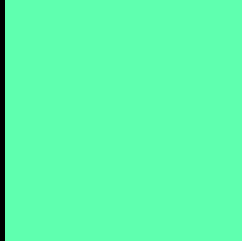
Large Text (above 18pt) WCAG AA × Fail

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 48.2172, 77.0480, 52.8879 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 48.2172, 77.0480, 52.8879

Background



This preview shows how black text looks on a background with the XYZ color 48.2172, 77.0480, 52.8879.

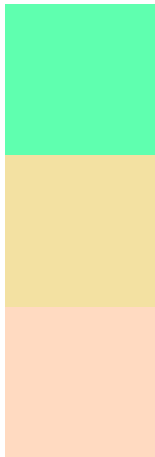


This preview shows how white text looks on a background with the XYZ color 48.2172, 77.0480,

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

48.2172, 77.0480, 52.8879

Protanopia

70.4089, 75.5137, 45.0471

Deuteranopia

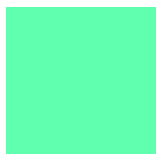
75.9370, 75.2531, 60.9751



Tritanopia

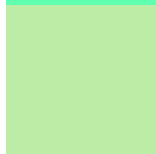
62.9204, 76.6081, 106.0783

Trichromacy



Original Color

48.2172, 77.0480, 52.8879



Protanomaly

57.9568, 73.5997, 47.7107



Deuteranomaly

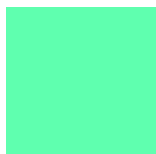
60.4648, 72.5673, 57.2744



Tritanomaly

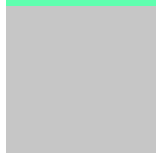
56.2114, 75.8641, 83.6321

Monochromacy



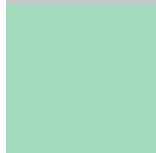
Original Color

48.2172, 77.0480, 52.8879



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.3237, 61.9578, 58.0746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2172, 77.0480, 52.8879 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(95, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 175)  
}
```

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(95, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 48.2172, 77.0480, 52.8879 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(95, 255, 175) }
```


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

```
.border{ border-color:rgb(95, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2172, 77.0480, 52.8879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 175) }
```

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

```
.background{ background-color: rgb(95, 255,  
175) }
```

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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