

Converting Colors

XYZ(48.7547, 77.3509, 51.7509)

Have a look what the booklet for
XYZ(48.7547, 77.3509, 51.7509)
contains.

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Color

**XYZ(48.7823, 77.3619,
51.8964)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFAD
RGB	102, 255, 173
RGB Percent	40%, 100%, 68%
CMY	0.6000, 0.0000, 0.3216
CMYK	0.60, 0.00, 0.32, 0.00
HSL	148°, 100%, 70%
HSV	148°, 60%, 100%
XYZ	48.7823, 77.3619, 51.8964
YIQ	199.9050, -64.8660, -57.9380

Conversions

Conversions Part 2

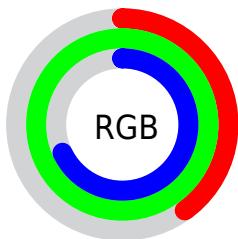
Format	Color
RYB	102, 207, 255
Decimal	6750125
CIELab	90.49, -58.68, 27.37
CIELCh	90, 64.747, 154.990
Yxy	77.3619, 0.2740, 0.4345
Android (android.graphics.Color)	4284940205 (0xFF66FFAD)
YUV	199.9050, -13.2642, -85.8627
Hunter-Lab	87.9556, -54.9219, 26.5861

Details

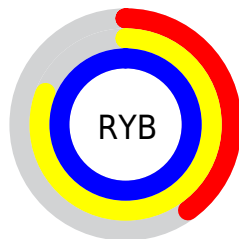
The XYZ color **48.7823, 77.3619, 51.8964** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **54.6435, 34.2241, 49.0736**, and the grayscale version is **54.9490, 57.8106, 62.9558**.

A 20% lighter version of the original color is **65.4199, 85.1765, 87.1215**, and **23.5224, 41.3741, 24.5155** is the 20% darker color. If you saturate the color by 10%, you get **45.0678, 75.5921, 45.1694**, and if you desaturate by 10%, it is **53.5217, 79.6444, 59.3802**.

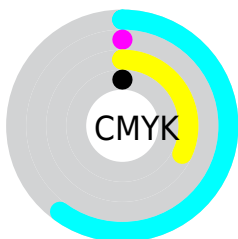
Distribution



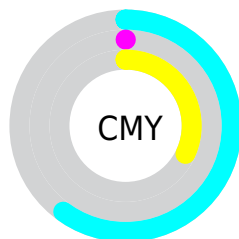
- Red (40%)
- Green (100%)
- Blue (68%)



- Red (40%)
- Yellow (81%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7823, 77.3619, 51.8964 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 48.7823, 77.3619, 51.8964 by changing the saturation by 10% instead.


 48.7823, 77.3619,
51.8964


 48.7823, 77.3619,
51.8964


372.4158,
485.9970, 410.9821


 34.6606, 57.5499,
36.5408


 87.5707, 129.6502,
94.4035

 23.5669, 41.4469,
24.5592


 112.9682,
162.8954, 122.3920

 15.1356, 28.6685,
15.5329


 142.8549,
201.3870, 155.4287

 9.0016, 18.8302,
9.0435

177.5964,
245.5096, 193.9320

 4.7993, 11.5476,
4.6724

217.5578,
295.6475, 238.3204

 2.1635, 6.4365,
2.0010

263.1046,

 0.7234, 3.1122,

352.1851, 289.0125

0.5559

314.6022,
415.5068, 346.4269

0.0000, 1.1906,
0.0000

0.0000, 0.0540,
0.0000

48.7823, 77.3619,
51.8964

48.7823, 77.3619,
51.8964

45.0678, 75.5921,
45.1694

53.5217, 79.6444,
59.3802

42.2880, 74.2889,
39.1699


59.3620, 82.4784,
67.6406


40.3385, 73.3991,
33.8722

66.3736, 85.8997,
76.7018

39.0501, 72.8360,
29.2452

74.6203, 89.9408,
86.5852

 39.0500, 72.8360,
29.2446

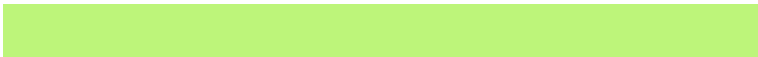
 84.1612, 94.6318,
97.3118

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.



57.0911, 77.3619, 30.2874



48.7823, 77.3619, 51.8964



46.6835, 77.3619, 92.2263

Triad

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



48.7823, 77.3619, 51.8964



76.2703, 77.3619, 207.8534



102.0819, 77.3619, 42.7690

Complementary

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



48.7823, 77.3619, 51.8964



54.6435, 34.2241, 49.0736

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.



109.0890, 77.3619, 76.7172



48.7823, 77.3619, 51.8964



92.8560, 77.3619, 180.3658

Square

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



48.7823, 77.3619, 51.8964



61.1439, 77.3619, 193.5533



105.4877, 77.3619, 127.8056



87.4855, 77.3619, 26.5342

Rectangle

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



48.7823, 77.3619, 51.8964



48.7790, 77.3619, 127.7700



105.4877, 77.3619, 127.8056



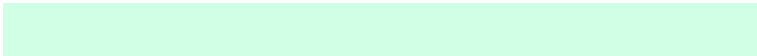
105.4933, 77.3619, 51.9160

Sweetspot

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



48.7829, 77.3622, 51.8977



76.4220, 90.8256, 88.6612



58.4449, 82.9374, 25.4993



15.7997, 19.1666, 18.3327



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.



48.7829, 77.3622, 51.8977



44.4398, 75.2955, 43.9113



58.0824, 81.0820, 100.8684



18.1223, 20.3084, 20.9470



20.4781, 38.0878, 15.6689



2.0484, 3.7303, 1.8127

Inverse Universe

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



54.6435, 34.2241, 49.0736



50.7555, 28.7122, 40.7975



48.7873, 31.8816, 18.2353



18.4164, 18.1499, 20.8099



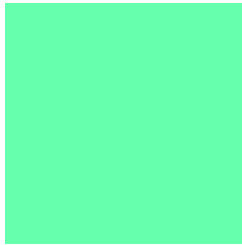
23.9719, 12.0780, 13.7683



2.3893, 1.1981, 1.6313

Previews

White Background



This preview shows how the XYZ color 48.7823, 77.3619, 51.8964 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 48.7823, 77.3619, 51.8964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

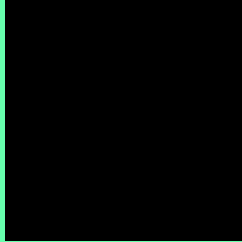
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7823, 77.3619, 51.8964

Background



This preview shows how black text looks on a background with the XYZ color 48.7823, 77.3619, 51.8964.

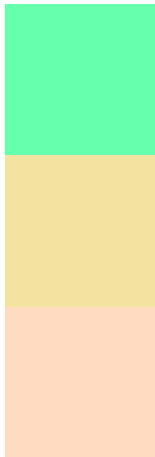


This preview shows how white text looks on a background with the XYZ color 48.7823, 77.3619,

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

48.7823, 77.3619, 51.8964

Protanopia

70.8497, 76.1639, 44.2246

Deuteranopia

76.1972, 75.7733, 61.0618



Tritanopia

63.7073, 77.0138, 106.1152

Trichromacy



Original Color

48.7823, 77.3619, 51.8964



Protanomaly

58.8139, 74.4915, 46.8758



Deuteranomaly

61.2727, 73.4005, 57.3927



Tritanomaly

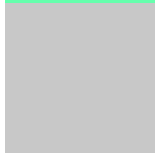
56.8905, 76.2300, 82.9496

Monochromacy



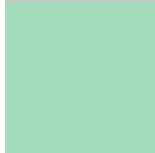
Original Color

48.7823, 77.3619, 51.8964



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.1973, 62.7966, 58.1905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7823, 77.3619, 51.8964 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(102, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 173)  
}
```

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(102, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 173) }
```

Border

The CSS property to change the border of an element to XYZ 48.7823, 77.3619, 51.8964 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(102, 255, 173) }
```


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

```
.border{ border-color:rgb(102, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7823, 77.3619, 51.8964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 173) }
```

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

```
.background{ background-color: rgb(102,  
255, 173) }
```

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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