

# Converting Colors

XYZ(44.1548, 50.4567, 25.3028)

Have a look what the booklet for  
XYZ(44.1548, 50.4567, 25.3028)  
contains.

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# Color

**XYZ(43.9780, 50.2618,  
25.1529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0C078
RGB	192, 192, 120
RGB Percent	75%, 75%, 47%
CMY	0.2471, 0.2470, 0.5294
CMYK	0.00, 0.00, 0.38, 0.25
HSL	60°, 36%, 61%
HSV	60°, 38%, 75%
XYZ	43.9780, 50.2618, 25.1529
YIQ	183.7920, 23.1120, -22.3920

# Conversions

## Conversions Part 2

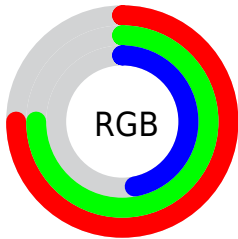
Format	Color
<a href="#">RYB</a>	<a href="#">120, 192, 120</a>
Decimal	<a href="#">12632184</a>
CIELab	<a href="#">76.23, -10.82, 36.30</a>
CIELCh	<a href="#">76, 37.877, 106.593</a>
Yxy	<a href="#">50.2618, 0.3683, 0.4210</a>
Android (android.graphics.Color)	<a href="#">4290822264 (0xFFC0C078)</a>
YUV	<a href="#">183.7920, -31.4495, 7.1984</a>
Hunter-Lab	<a href="#">70.8956, -13.3399, 28.5915</a>

# Details

The XYZ color **43.9780, 50.2618, 25.1529** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.9785, 21.2330, 52.7067**, and the grayscale version is **45.6053, 47.9804, 52.2506**.

A 20% lighter version of the original color is **80.1771, 90.2917, 52.7374**, and **20.6546, 24.2258, 9.3818** is the 20% darker color. If you saturate the color by 10%, you get **42.9278, 49.8435, 19.6192**, and if you desaturate by 10%, it is **45.2643, 50.7782, 31.9193**.

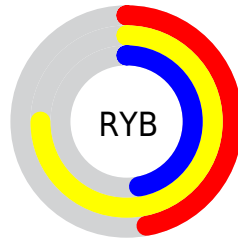
# Distribution



Red (75%)

Green (75%)

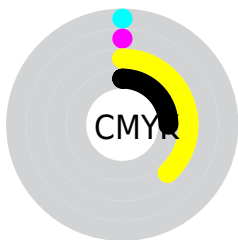
Blue (47%)



Red (47%)

Yellow (75%)

Blue (47%)

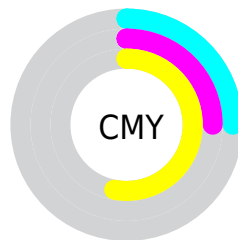


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (25%)



Cyan (25%)

Magenta (25%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.9780, 50.2618, 25.1529 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 43.9780, 50.2618, 25.1529 by changing the saturation by 10% instead.





 43.9780, 50.2618,  
25.1529

 43.9780, 50.2618,  
25.1529


353.4722,  
387.6889, 292.0706


 30.8511, 35.6215,  
15.9710


 80.4312, 90.5627,  
52.8724

 20.6367, 24.1420,  
9.3495


 104.4881,  
116.9920, 72.2469

 12.9697, 15.4390,  
4.8699

 132.9191,  
148.1197, 95.8562

 7.4845, 9.1280,  
2.1137

166.0895,  
184.3303, 124.1185

 3.8159, 4.8248,  
0.6239

204.3647,  
226.0081, 157.4526

 1.5985, 2.1448,  
0.0000

248.1099,

 0.3915, 0.6897,

273.5375, 196.2770

0.0000

297.6907,  
327.3030, 241.0101

■ 0.0000, 0.0000,  
0.0000

■ 43.9780, 50.2618,  
25.1529

■ 43.9780, 50.2618,  
25.1529

■ 42.9278, 49.8435,  
19.6192

■ 45.2643, 50.7782,  
31.9193

■ 42.0961, 49.5107,  
15.2411

■ 46.7960, 51.3909,  
39.9830

■ 41.4684, 49.2596,  
11.9377


■ 48.5861, 52.1070,  
49.4080


■ 41.0273, 49.0831,  
9.6164


■ 50.6460, 52.9309,  
60.2531

■ 40.7520, 48.9730,  
8.1690


■ 52.9860, 53.8670,  
72.5736


 40.6131, 48.9174,  
7.4393

 55.6161, 54.9191,  
86.4219

 40.5867, 48.9068,  
7.3008

 58.5459, 56.0910,  
101.8478

 58.6418, 56.1294,  
102.3510

 58.6421, 56.1296,  
102.3511

# Harmonies

## Analogous

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



51.0088, 50.2618, 24.8192



43.9780, 50.2618, 25.1529



38.5230, 50.2618, 32.0122

# Triad

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



43.9780, 50.2618, 25.1529



38.9900, 50.2618, 88.3370



62.3241, 50.2618, 64.3039

# Complementary

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



43.9780, 50.2618, 25.1529



23.9785, 21.2330, 52.7067

# 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.



58.3950, 50.2618, 86.2380



43.9780, 50.2618, 25.1529



44.6757, 50.2618, 102.2621

# Square

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



43.9780, 50.2618, 25.1529



35.8447, 50.2618, 66.6712



51.7789, 50.2618, 101.4106



62.0898, 50.2618, 44.3012



# Rectangle

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



43.9780, 50.2618, 25.1529



36.3049, 50.2618, 40.6149



51.7789, 50.2618, 101.4106



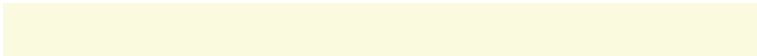
61.4311, 50.2618, 71.7782

# Sweetspot

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



43.9792, 50.2641, 25.1540



86.7823, 93.9102, 82.9490



31.8465, 25.9967, 21.1093



18.5218, 20.1085, 17.2904



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



43.9792, 50.2641, 25.1540



78.0875, 90.4320, 37.1741



35.9520, 46.1259, 24.7783



10.9134, 11.7583, 10.7563



27.3089, 32.9071, 4.9124



1.1800, 1.4218, 0.2123



# Inverse Universe

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



23.9785, 21.2330, 52.7067



36.6397, 30.2707, 94.2720



29.9427, 24.3077, 52.9858



9.5284, 9.7480, 12.6642



6.4023, 2.5610, 33.7135



0.2767, 0.1107, 1.4567



# Previews

## White Background



This preview shows how the XYZ color 43.9780, 50.2618, 25.1529 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 43.9780, 50.2618, 25.1529 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 43.9780, 50.2618, 25.1529**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.9780, 50.2618, 25.1529.



This preview shows how white text looks on a background with the XYZ color 43.9780, 50.2618,



# 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

43.9780, 50.2618, 25.1529

### Protanopia

46.4301, 50.2536, 24.3923

### Deuteranopia

51.2604, 50.2413, 25.7347



## Tritanopia

51.0989, 50.3157, 59.8420

# Trichromacy



## Original Color

43.9780, 50.2618, 25.1529

## Protanomaly

45.3468, 50.0065, 24.7149

## Deuteranomaly

48.3849, 49.9823, 25.5097

## Tritanomaly

48.0090, 49.9882, 44.6544

# Monochromacy



## Original Color

43.9780, 50.2618, 25.1529

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

44.6969, 48.6787, 40.7584

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.9780, 50.2618, 25.1529 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(192, 192, 120)` looks like.

```
.text, #text, p{  
    color:rgb(192, 192, 120)  
}
```

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(192, 192, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 192, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 43.9780, 50.2618, 25.1529 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(192, 192, 120) }
```



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

```
.border{ border-color:rgb(192, 192, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 192, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 192, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 192, 120);  
box-shadow:4px 4px 4px 4px rgb(192, 192,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.9780, 50.2618, 25.1529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 192, 120) }
```

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

```
.background{ background-color: rgb(192,  
192, 120) }
```

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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