

# Converting Colors

XYZ(44.4071, 53.3402, 17.6285)

Have a look what the booklet for  
XYZ(44.4071, 53.3402, 17.6285)  
contains.

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# Color

**XYZ(44.4921, 53.3842,  
17.6321)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C1C85A
RGB	193, 200, 90
RGB Percent	76%, 78%, 35%
CMY	0.2431, 0.2157, 0.6470
CMYK	0.04, 0.00, 0.55, 0.22
HSL	64°, 50%, 57%
HSV	64°, 55%, 78%
XYZ	44.4921, 53.3842, 17.6321
YIQ	185.3670, 31.1380, -35.6940

# Conversions

## Conversions Part 2

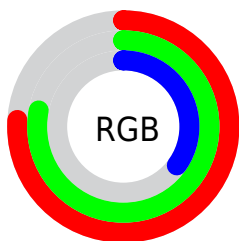
Format	Color
<a href="#">RYB</a>	<a href="#">90, 200, 97</a>
Decimal	<a href="#">12699738</a>
CIELab	<a href="#">78.10, -17.38, 53.23</a>
CIELCh	<a href="#">78, 55.997, 108.085</a>
Yxy	<a href="#">53.3842, 0.3852, 0.4622</a>
Android (android.graphics.Color)	<a href="#">4290889818</a> (0xFFC1C85A)
YUV	<a href="#">185.3670, -47.0159, 6.6941</a>
Hunter-Lab	<a href="#">73.0645, -19.1666, 36.8371</a>

# Details

The XYZ color **44.4921, 53.3842, 17.6321** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **19.0131, 14.0251, 56.3518**, and the grayscale version is **46.5615, 48.9863, 53.3461**.

A 20% lighter version of the original color is **80.5016, 94.0124, 39.8899**, and **20.9138, 26.0035, 5.5860** is the 20% darker color. If you saturate the color by 10%, you get **43.4300, 52.9239, 13.7212**, and if you desaturate by 10%, it is **45.7886, 53.9424, 22.7516**.

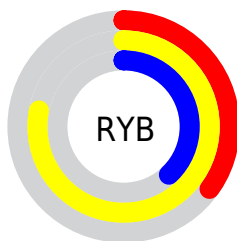
# Distribution



Red (76%)

Green (78%)

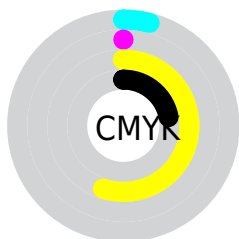
Blue (35%)



Red (35%)

Yellow (78%)

Blue (38%)

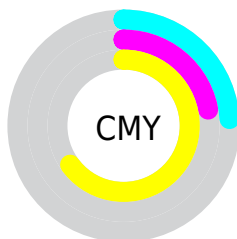


Cyan (4%)

Magenta (0%)

Yellow (55%)

Black (22%)



Cyan (24%)

Magenta (22%)

Yellow (65%)


# Brightness & Saturation


## Gradients

These gradients show how the XYZ color 44.4921, 53.3842, 17.6321 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 44.4921, 53.3842, 17.6321 by changing the saturation by 10% instead.





 44.4921, 53.3842,  
17.6321

 44.4921, 53.3842,  
17.6321


355.5310,  
399.7574, 250.9552

 31.2571, 38.1096,  
10.5195


 81.1995, 95.1695,  
40.2149


 20.9475, 26.0677,  
5.6346


 105.4026,  
122.4489, 56.5221

 13.1979, 16.8743,  
2.5591


 133.9925,  
154.4987, 76.7313

 7.6429, 10.1449,  
0.8712

 167.3346,  
191.7033, 101.2609

 3.9172, 5.4952,  
0.0000

205.7941,  
234.4471, 130.5296

 1.6554, 2.5406,  
0.0000


249.7364,


 0.4281, 0.8969,


283.1144, 164.9558

0.0000


299.5270,  
338.0897, 204.9582


 0.0000, 0.0000,  
0.0000


 44.4921, 53.3842,  
17.6321


 44.4921, 53.3842,  
17.6321


 43.4300, 52.9239,  
13.7212

 45.7886, 53.9424,  
22.7516


 42.5796, 52.5468,  
10.9162


 47.3324, 54.5979,  
29.1644


 41.9205, 52.2464,  
9.1035

 49.1400, 55.3593,  
36.9517

 41.4259, 52.0122,  
8.1432

 51.2254, 56.2321,  
46.1869

 41.2146, 51.9096,  
7.8473

 53.6015, 57.2215,  
56.9384

■ 56.2804, 58.3324,  
69.2700

■ 59.2737, 59.5694,  
83.2420

■ 62.5922, 60.9367,  
98.9117

■ 63.7345, 61.4339,  
103.1065

# Harmonies

## Analogous

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



55.2038, 53.3842, 16.8860



44.4921, 53.3842, 17.6321



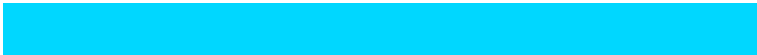
36.6536, 53.3842, 26.4782

# Triad

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



44.4921, 53.3842, 17.6321



37.9563, 53.3842, 115.3996



74.2050, 53.3842, 71.4590

# Complementary

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



44.4921, 53.3842, 17.6321



19.0131, 14.0251, 56.3518

# 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.



68.0396, 53.3842, 108.3145



44.4921, 53.3842, 17.6321



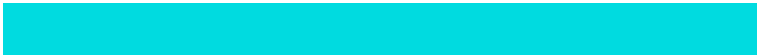
46.5237, 53.3842, 139.1407

# Square

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



44.4921, 53.3842, 17.6321



33.2702, 53.3842, 78.8825



57.5472, 53.3842, 136.1621



73.4533, 53.3842, 41.3735



# Rectangle

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



44.4921, 53.3842, 17.6321



33.6342, 53.3842, 38.4325



57.5472, 53.3842, 136.1621



72.8402, 53.3842, 83.6075

# Sweetspot

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



44.4934, 53.3866, 17.6332



88.2137, 97.1558, 77.8559



29.8041, 21.2937, 12.2129



18.7140, 20.7254, 15.9185



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.



44.4934, 53.3866, 17.6332



74.8742, 91.4868, 22.6651



33.2329, 47.5817, 17.1062



11.4546, 12.3813, 11.3489



26.2332, 33.0190, 4.9907



1.2628, 1.5741, 0.2373



# Inverse Universe

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



19.0131, 14.0251, 56.3518



26.4084, 16.5523, 96.4108



26.7531, 18.0153, 56.7140



10.1182, 10.3192, 13.3760



6.7589, 2.7186, 34.9129



0.3423, 0.1402, 1.6542



# Previews

## White Background



This preview shows how the XYZ color 44.4921, 53.3842, 17.6321 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 44.4921, 53.3842, 17.6321 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

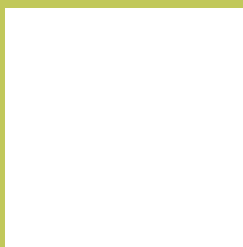
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.4921, 53.3842, 17.6321**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4921, 53.3842, 17.6321.



This preview shows how white text looks on a background with the XYZ color 44.4921, 53.3842,



# 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

44.4921, 53.3842, 17.6321

### Protanopia

48.5630, 53.1407, 16.9301

### Deuteranopia

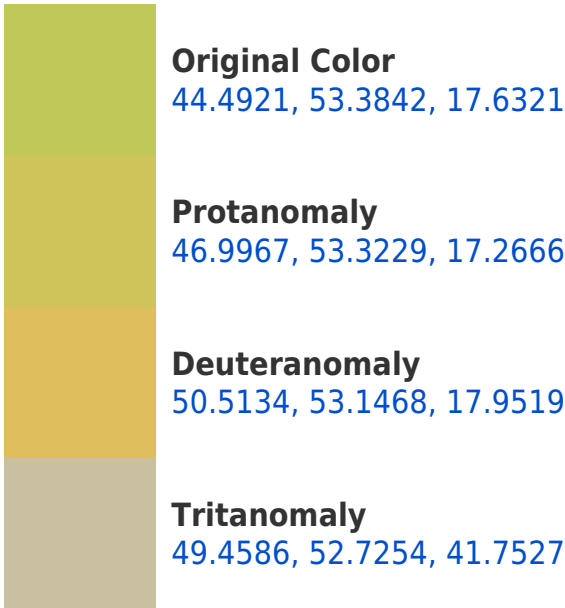
54.4208, 53.2663, 18.0028



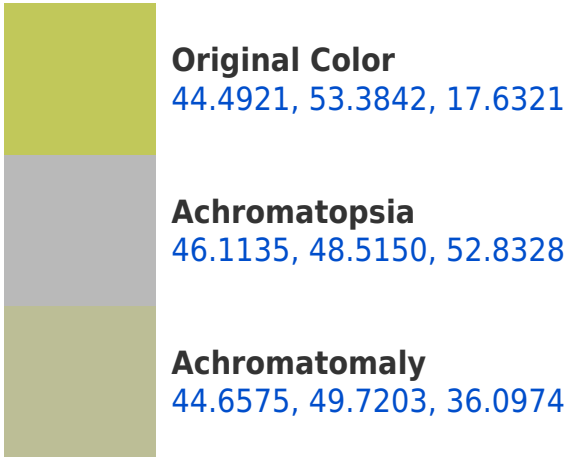
## Tritanopia

53.9395, 53.2574, 63.9367

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4921, 53.3842, 17.6321 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(193, 200, 90)` looks like.

```
.text, #text, p{  
    color:rgb(193, 200, 90)  
}
```

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(193, 200, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 200, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4921, 53.3842, 17.6321 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(193, 200, 90) }
```



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

```
.border{ border-color:rgb(193, 200, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 200, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 200, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 200, 90);  
box-shadow:4px 4px 4px 4px rgb(193, 200,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4921, 53.3842, 17.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 200, 90) }
```

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

```
.background{ background-color: rgb(193,  
200, 90) }
```

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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