

# Converting Colors

XYZ(41.1487, 51.3460, 35.2336)

Have a look what the booklet for  
XYZ(41.1487, 51.3460, 35.2336)  
contains.

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# Color

**XYZ(41.0250, 51.2017,  
35.3244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3C893
RGB	163, 200, 147
RGB Percent	64%, 78%, 58%
CMY	0.3608, 0.2157, 0.4235
CMYK	0.19, 0.00, 0.27, 0.22
HSL	102°, 33%, 68%
HSV	102°, 27%, 78%
XYZ	41.0250, 51.2017, 35.3244
YIQ	182.8950, -5.0390, -24.3270

# Conversions

## Conversions Part 2

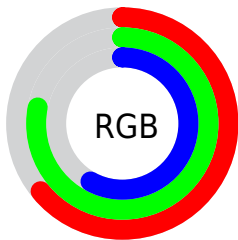
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 200, 184
Decimal	10733715
CIELab	76.80, -22.14, 22.58
CIElCh	77, 31.618, 134.437
Yxy	51.2017, 0.3216, 0.4014
Android (android.graphics.Color)	4288923795 (0xFFA3C893)
YUV	182.8950, -17.6962, -17.4479
Hunter-Lab	71.5554, -22.8821, 20.8193

# Details

The XYZ color **41.0250, 51.2017, 35.3244** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.6284, 35.2294, 59.3050**, and the grayscale version is **45.0493, 47.3953, 51.6135**.

A 20% lighter version of the original color is **75.2161, 90.6425, 68.7898**, and **18.8206, 24.7173, 14.8453** is the 20% darker color. If you saturate the color by 10%, you get **36.8874, 49.2361, 27.6385**, and if you desaturate by 10%, it is **45.7539, 53.4436, 44.4645**.

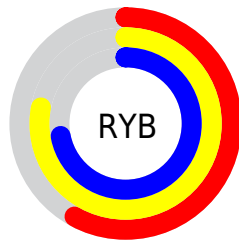
# Distribution



Red (64%)

Green (78%)

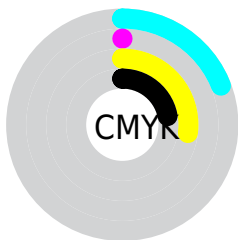
Blue (58%)



Red (58%)

Yellow (78%)

Blue (72%)

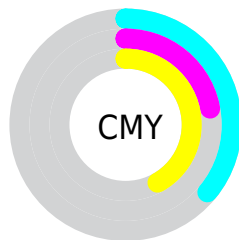


Cyan (19%)

Magenta (0%)

Yellow (27%)

Black (22%)



Cyan (36%)

Magenta (22%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0250, 51.2017, 35.3244 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 41.0250, 51.2017, 35.3244 by changing the saturation by 10% instead.



■ 41.0250, 51.2017,  
35.3244

■ 41.0250, 51.2017,  
35.3244

341.4859,  
391.3469, 340.9456

■ 28.5264, 36.3692,  
23.6273

■ 75.9963, 91.9528,  
69.1453

■ 18.8653, 24.7194,  
14.8478

■ 99.1997, 118.6402,  
92.1061

■ 11.6764, 15.8681,  
8.5672

126.7021,  
150.0480, 119.6587

■ 6.5944, 9.4309,  
4.3670

158.8688,  
186.5606, 152.2215

■ 3.2538, 5.0233,  
1.8288

196.0651,  
228.5624, 190.2130

■ 1.2894, 2.2609,  
0.4468

238.6565,

■ 0.1752, 0.7529,

276.4378, 234.0518

0.0000

287.0083,  
330.5712, 284.1565

■ 0.0000, 0.0000,  
0.0000

■ 41.0250, 51.2017,  
35.3244

■ 41.0250, 51.2017,  
35.3244

■ 36.8874, 49.2361,  
27.6385

■ 45.7539, 53.4436,  
44.4645

■ 33.3128, 47.5293,  
21.3285

■ 51.0928, 55.9656,  
55.1248

■ 30.2763, 46.0717,  
16.3139

■ 57.0649, 58.7794,  
67.3714

■ 27.7496, 44.8509,  
12.5047

■ 63.6904, 61.8943,  
81.2656

■ 25.7013, 43.8527,  
9.7991

■ 70.9891, 65.3192,  
96.8653

■ 24.0960, 43.0615,  
8.0786

■ 76.9857, 68.2649,  
103.7266

■ 22.8907, 42.4586,  
7.1898

■ 79.9453, 69.7907,  
103.8651

■ 22.5413, 42.2829,  
6.9734

# Harmonies

## Analogous

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



45.8449, 51.2017, 29.4777



41.0250, 51.2017, 35.3244



38.3736, 51.2017, 47.3444

# Triad

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



41.0250, 51.2017, 35.3244



45.6346, 51.2017, 94.0340



60.7188, 51.2017, 47.9094

# Complementary

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



41.0250, 51.2017, 35.3244



40.6284, 35.2294, 59.3050

# 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.



60.6508, 51.2017, 65.0958



41.0250, 51.2017, 35.3244



51.5999, 51.2017, 94.2725

# Square

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



41.0250, 51.2017, 35.3244



40.8820, 51.2017, 82.2382



57.2006, 51.2017, 82.8350



57.3795, 51.2017, 35.6644



# Rectangle

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



41.0250, 51.2017, 35.3244



38.0430, 51.2017, 58.3460



57.2006, 51.2017, 82.8350



61.1019, 51.2017, 53.2321

# Sweetspot

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



41.0263, 51.2039, 35.3255



86.8906, 96.1532, 92.2744



46.0662, 48.3446, 34.5080



18.2870, 20.4339, 19.1246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

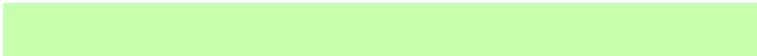


# Same Dimension

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



41.0263, 51.2039, 35.3255



66.6385, 86.5626, 52.9344



38.7501, 49.9386, 39.3694



10.7935, 12.0405, 11.3179



14.4120, 26.9250, 4.4374



0.7569, 1.3133, 0.2136



# Inverse Universe

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



40.6284, 35.2294, 59.3050



65.8221, 54.1449, 101.5895



43.5803, 36.8783, 53.7013



10.7594, 10.6498, 13.4060



13.5602, 6.2248, 35.2312



0.7129, 0.3313, 1.6715



# Previews

## White Background



This preview shows how the XYZ color 41.0250, 51.2017, 35.3244 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 41.0250, 51.2017, 35.3244 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

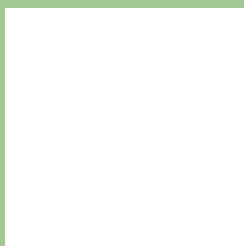
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.0250, 51.2017, 35.3244

## Background



This preview shows how black text looks on a background with the XYZ color 41.0250, 51.2017, 35.3244.



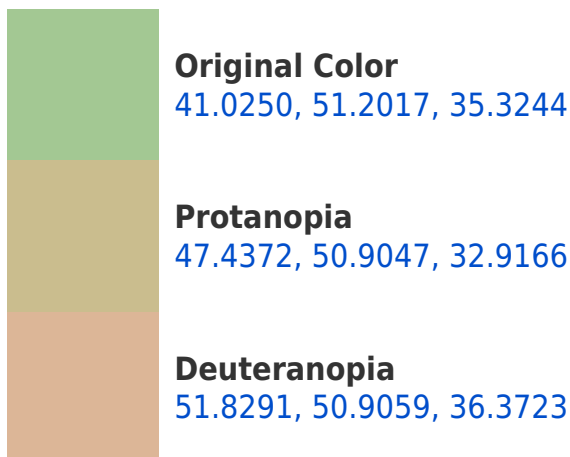
This preview shows how white text looks on a background with the XYZ color 41.0250, 51.2017,

35.3244.

# 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

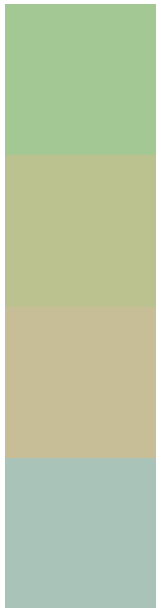




## Tritanopia

47.3457, 51.0885, 66.3972

# Trichromacy



## Original Color

41.0250, 51.2017, 35.3244

## Protanomaly

44.8430, 50.8449, 33.8361

## Deuteranomaly

47.2558, 50.7393, 36.1572

## Tritanomaly

44.6342, 50.9680, 53.3843

# Monochromacy



## Original Color

41.0250, 51.2017, 35.3244

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.3578, 48.5276, 45.1118

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0250, 51.2017, 35.3244 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(163, 200, 147)` looks like.

```
.text, #text, p{  
    color:rgb(163, 200, 147)  
}
```

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(163, 200, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 200, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0250, 51.2017, 35.3244 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(163, 200, 147) }
```



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

```
.border{ border-color:rgb(163, 200, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 200, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 200, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 200, 147); box-shadow:4px 4px 4px 4px rgb(163, 200, 147) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0250, 51.2017, 35.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 200, 147) }
```

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

```
.background{ background-color: rgb(163,  
200, 147) }
```

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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