

# Converting Colors

XYZ(41.4101, 45.1644, 36.7123)

Have a look what the booklet for  
XYZ(41.4101, 45.1644, 36.7123)  
contains.

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# Color

**XYZ(41.3297, 45.1714,  
36.6776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5B599
RGB	181, 181, 153
RGB Percent	71%, 71%, 60%
CMY	0.2902, 0.2902, 0.4000
CMYK	0.00, 0.00, 0.15, 0.29
HSL	60°, 16%, 65%
HSV	60°, 15%, 71%
XYZ	41.3297, 45.1714, 36.6776
YIQ	177.8080, 8.9880, -8.7080

# Conversions

## Conversions Part 2

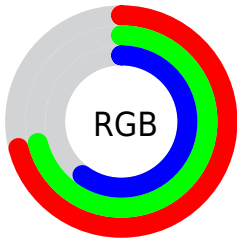
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 181, 153
Decimal	11908505
CIELab	73.00, -4.84, 14.30
CIELCh	73, 15.094, 108.700
Yxy	45.1714, 0.3355, 0.3667
Android (android.graphics.Color)	4290098585 (0xFFB5B599)
YUV	177.8080, -12.2303, 2.7994
Hunter-Lab	67.2097, -7.8507, 14.6911

# Details

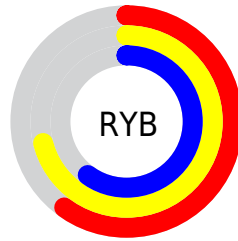
The XYZ color **41.3297, 45.1714, 36.6776** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.8703, 32.8921, 48.3349**, and the grayscale version is **42.2757, 44.4773, 48.4358**.

A 20% lighter version of the original color is **76.4717, 83.0779, 71.0366**, and **19.0195, 20.9868, 15.6188** is the 20% darker color. If you saturate the color by 10%, you get **39.9466, 44.6196, 29.3922**, and if you desaturate by 10%, it is **42.9420, 45.8179, 45.1595**.

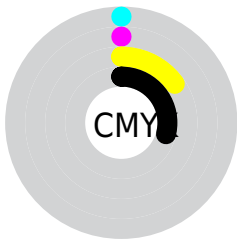
# Distribution



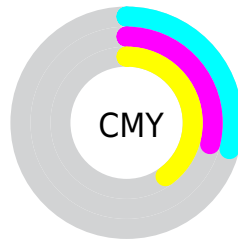
- Red (71%)
- Green (71%)
- Blue (60%)



- Red (60%)
- Yellow (71%)
- Blue (60%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (29%)




- Cyan (29%)
- Magenta (29%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3297, 45.1714, 36.6776 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 41.3297, 45.1714, 36.6776 by changing the saturation by 10% instead.





 41.3297, 45.1714,  
36.6776


 41.3297, 45.1714,  
36.6776


342.7358,  
367.4673, 347.0392

 28.7656, 31.5925,  
24.6641


 76.4557, 82.9776,  
71.2574

 19.0470, 21.0504,  
15.6103


 99.7483, 107.9736,  
94.6609

 11.8084, 13.1608,  
9.0974


127.3478,  
137.5440, 122.6981

 6.6846, 7.5394,  
4.7071

159.6195,  
172.0734, 155.7876

 3.3102, 3.8017,  
2.0207

196.9288,  
211.9460, 194.3479

 1.3199, 1.5632,  
0.5680

239.6410,

 0.1980, 0.3326,

257.5462, 238.7975

0.0000

288.1216,  
309.2585, 289.5551

■ 0.0000, 0.0000,  
0.0000

■ 41.3297, 45.1714,  
36.6776

■ 41.3297, 45.1714,  
36.6776

■ 39.9466, 44.6196,  
29.3922

■ 42.9420, 45.8179,  
45.1595

■ 38.7790, 44.1525,  
23.2466

■ 44.7895, 46.5570,  
54.8851

■ 37.8171, 43.7677,  
18.1842


■ 46.8823, 47.3942,  
65.9028


■ 37.0489, 43.4603,  
14.1421


■ 49.2290, 48.3329,  
78.2574


■ 36.4614, 43.2252,  
11.0512


■ 51.8378, 49.3765,  
91.9918


 36.0397, 43.0565,  
8.8336


 53.6345, 50.0952,  
101.4502


 35.7667, 42.9473,  
7.3994

 53.6351, 50.0955,  
101.4503

 35.6213, 42.8890,  
6.6364

 53.6357, 50.0958,  
101.4503

 35.5761, 42.8709,  
6.3999

 53.6363, 50.0961,  
101.4503

# Harmonies

## Analogous

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



43.9348, 45.1714, 36.2804



41.3297, 45.1714, 36.6776



39.2383, 45.1714, 40.2134

# Triad

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



41.3297, 45.1714, 36.6776



39.6754, 45.1714, 60.9131



48.0978, 45.1714, 52.0831

# Complementary

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



41.3297, 45.1714, 36.6776



32.8703, 32.8921, 48.3349

# 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.



46.8549, 45.1714, 59.3983



41.3297, 45.1714, 36.6776



41.9487, 45.1714, 64.8331

# Square

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



41.3297, 45.1714, 36.6776



38.3105, 45.1714, 53.9855



44.5794, 45.1714, 64.2521



47.9154, 45.1714, 44.6760



# Rectangle

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



41.3297, 45.1714, 36.6776



38.3835, 45.1714, 44.0980



44.5794, 45.1714, 64.2521



47.8308, 45.1714, 54.6467

# Sweetspot

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



41.3309, 45.1734, 36.6786



77.0242, 82.1025, 81.5079



36.1985, 34.9072, 34.9675



16.6014, 17.7268, 17.3734



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



41.3309, 45.1734, 36.6786



73.0180, 80.4998, 60.4197



38.2117, 43.5654, 36.5326



9.1970, 9.9066, 9.0800



24.5241, 29.5527, 4.4117



0.7717, 0.9299, 0.1388



# Inverse Universe

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



32.8703, 32.8921, 48.3349



54.6000, 53.7645, 85.7945



35.6694, 34.3351, 48.4659



8.0421, 8.2302, 10.6711



5.7500, 2.3000, 30.2779



0.1810, 0.0724, 0.9527



# Previews

## White Background



This preview shows how the XYZ color 41.3297, 45.1714, 36.6776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

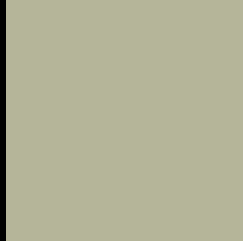
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3297, 45.1714, 36.6776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

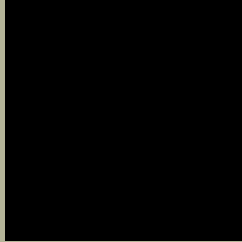
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

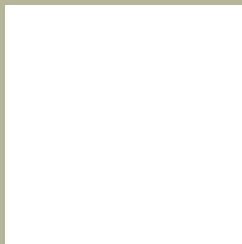
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.3297, 45.1714, 36.6776**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3297, 45.1714, 36.6776.



This preview shows how white text looks on a background with the XYZ color 41.3297, 45.1714,



# 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

41.3297, 45.1714, 36.6776

### Protanopia

42.7739, 45.3260, 36.2001

### Deuteranopia

45.8458, 44.8507, 37.2511



## Tritanopia

45.0693, 45.2075, 55.0657

# Trichromacy



## Original Color

41.3297, 45.1714, 36.6776

## Protanomaly

42.2385, 45.3486, 36.2327

## Deuteranomaly

43.9277, 44.7288, 36.8901

## Tritanomaly

43.6234, 45.2055, 48.0213

# Monochromacy



## Original Color

41.3297, 45.1714, 36.6776

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

41.8719, 44.6885, 43.9550

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3297, 45.1714, 36.6776 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(181, 181, 153)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 153)  
}
```

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(181, 181, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3297, 45.1714, 36.6776 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(181, 181, 153) }
```



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

```
.border{ border-color:rgb(181, 181, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 153);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3297, 45.1714, 36.6776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 153) }
```

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

```
.background{ background-color: rgb(181,  
181, 153) }
```

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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