

# Converting Colors

XYZ(40.5194, 45.0990, 21.0374)

Have a look what the booklet for  
XYZ(40.5194, 45.0990, 21.0374)  
contains.

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# Color

**XYZ(40.5194, 45.0990,  
21.0374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BEB56D</a>
RGB	190, 181, 109
RGB Percent	75%, 71%, 43%
CMY	0.2549, 0.2902, 0.5725
CMYK	0.00, 0.05, 0.43, 0.25
HSL	53°, 38%, 59%
HSV	53°, 43%, 75%
XYZ	40.5194, 45.0990, 21.0374
YIQ	175.4830, 28.4760, -20.4840

# Conversions

## Conversions Part 2

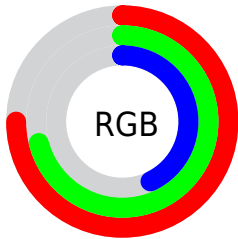
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 190, 109
Decimal	12498285
CIELab	72.96, -7.13, 37.75
CIELCh	73, 38.419, 100.690
Yxy	45.0990, 0.3799, 0.4228
Android (android.graphics.Color)	4290688365 (0xFFBEB56D)
YUV	175.4830, -32.7761, 12.7314
Hunter-Lab	67.1558, -9.8221, 28.4357

# Details

The XYZ color **40.5194, 45.0990, 21.0374** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.0793, 19.9253, 51.3974**, and the grayscale version is **41.1534, 43.2965, 47.1499**.

A 20% lighter version of the original color is **75.5172, 83.1335, 46.2486**, and **18.5003, 20.9050, 7.1977** is the 20% darker color. If you saturate the color by 10%, you get **39.1798, 43.8835, 16.0787**, and if you desaturate by 10%, it is **42.0888, 46.4201, 27.1645**.

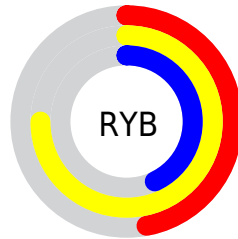
# Distribution



Red (75%)

Green (71%)

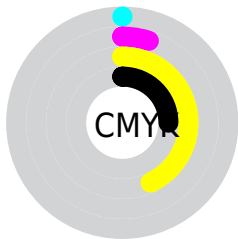
Blue (43%)



Red (47%)

Yellow (75%)

Blue (43%)

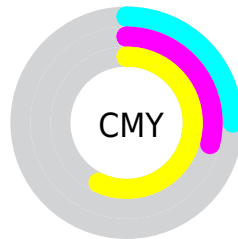


Cyan (0%)

Magenta (5%)

Yellow (43%)

Black (25%)



Cyan (25%)

Magenta (29%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5194, 45.0990, 21.0374 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 40.5194, 45.0990, 21.0374 by changing the saturation by 10% instead.



40.5194, 45.0990,  
21.0374

40.5194, 45.0990,  
21.0374

339.4049,  
367.1744, 270.2648

28.1298, 31.5354,  
12.9598

75.2331, 82.8690,  
46.0314

18.5644, 21.0069,  
7.2705

98.2879, 107.8441,  
63.7849

11.4581, 13.1290,  
3.5508

125.6284,  
137.3919, 85.6007

6.4454, 7.5175,  
1.3823

157.6201,  
171.8967, 111.8975

3.1610, 3.7878,  
0.1279

194.6282,  
211.7430, 143.0938

1.2395, 1.5556,  
0.0000

237.0181,

0.1372, 0.3274,

257.3151, 179.6080

0.0000

285.1553,  
308.9974, 221.8589

■ 0.0000, 0.0000,  
0.0000

■ 40.5194, 45.0990,  
21.0374

■ 40.5194, 45.0990,  
21.0374

■ 39.1798, 43.8835,  
16.0787

■ 42.0888, 46.4201,  
27.1645

■ 38.0523, 42.7615,  
12.2098

■ 43.8979, 47.8459,  
34.5262

■ 37.1219, 41.7287,  
9.3470


■ 45.9598, 49.3833,  
43.1870


■ 36.3700, 40.7775,  
7.3929

■ 48.2858, 51.0369,  
53.2063


■ 35.7746, 39.8992,  
6.2313

■ 50.8866, 52.8110,  
64.6396

 35.4046, 39.2859,  
5.7169

 53.7721, 54.7096,  
77.5395

 56.9517, 56.7365,  
91.9556

 59.4530, 58.5027,  
102.7664

 59.9383, 59.4733,  
102.9282

# Harmonies

## Analogous

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



47.2688, 45.0990, 21.8639



40.5194, 45.0990, 21.0374



35.0016, 45.0990, 26.1027

# Triad

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



40.5194, 45.0990, 21.0374



33.8188, 45.0990, 77.3061



56.2113, 45.0990, 62.3465

# Complementary

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



40.5194, 45.0990, 21.0374



22.0793, 19.9253, 51.3974

# 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.



51.8264, 45.0990, 82.7365



40.5194, 45.0990, 21.0374



38.7440, 45.0990, 92.8117

# Square

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



40.5194, 45.0990, 21.0374



31.4097, 45.0990, 56.2729



45.2999, 45.0990, 95.0237



56.8140, 45.0990, 42.5735



# Rectangle

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



40.5194, 45.0990, 21.0374



32.5830, 45.0990, 33.1652



45.2999, 45.0990, 95.0237



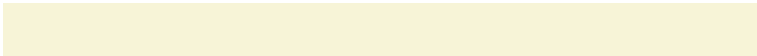
55.1108, 45.0990, 69.4755

# Sweetspot

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



40.5205, 45.1011, 21.0383



83.0563, 89.3226, 77.2845



30.0010, 23.2037, 20.1782



18.0473, 19.4742, 16.1610



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.



40.5205, 45.1011, 21.0383



71.1804, 79.6943, 29.7849



35.4622, 45.2970, 21.3427



10.2293, 10.9346, 10.1481



23.5778, 26.1944, 3.8133



0.9497, 1.0783, 0.1581



# Inverse Universe

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



22.0793, 19.9253, 51.3974



33.4494, 28.2033, 91.9599



25.5870, 20.2354, 51.2724



9.0995, 9.3914, 12.0053



6.3894, 2.8905, 32.6141



0.2790, 0.1706, 1.2871



# Previews

## White Background



This preview shows how the XYZ color 40.5194, 45.0990, 21.0374 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 40.5194, 45.0990, 21.0374 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

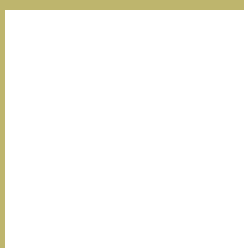
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.5194, 45.0990, 21.0374**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.5194, 45.0990, 21.0374.



This preview shows how white text looks on a background with the XYZ color 40.5194, 45.0990,



# 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

40.5194, 45.0990, 21.0374

### Protanopia

41.5918, 45.0587, 20.6924

### Deuteranopia

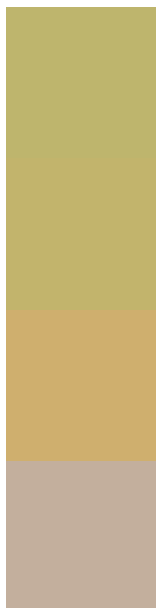
45.7511, 44.8724, 21.2888



## Tritanopia

46.7982, 45.0136, 52.1209

# Trichromacy



## Original Color

40.5194, 45.0990, 21.0374

## Protanomaly

41.2762, 45.1946, 20.7353

## Deuteranomaly

43.8766, 45.0511, 21.1350

## Tritanomaly

43.9215, 44.6964, 38.2106

# Monochromacy



## Original Color

40.5194, 45.0990, 21.0374

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

40.1304, 43.3819, 35.5366

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5194, 45.0990, 21.0374 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(190, 181, 109)` looks like.

```
.text, #text, p{  
    color:rgb(190, 181, 109)  
}
```

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(190, 181, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 181, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5194, 45.0990, 21.0374 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(190, 181, 109) }
```



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

```
.border{ border-color:rgb(190, 181, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 181, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 181, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 181, 109);  
box-shadow:4px 4px 4px 4px rgb(190, 181,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5194, 45.0990, 21.0374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 181, 109) }
```

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

```
.background{ background-color: rgb(190,  
181, 109) }
```

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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