

# Converting Colors

XYZ(52.1994, 51.6385, 42.3380)

Have a look what the booklet for  
XYZ(52.1994, 51.6385, 42.3380)  
contains.

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# Color

**XYZ(52.1602, 51.5602,  
42.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B8A4
RGB	216, 184, 164
RGB Percent	85%, 72%, 64%
CMY	0.1529, 0.2784, 0.3569
CMYK	0.00, 0.15, 0.24, 0.15
HSL	23°, 40%, 75%
HSV	23°, 24%, 85%
XYZ	52.1602, 51.5602, 42.3249
YIQ	191.2880, 25.4920, 0.5640

# Conversions

## Conversions Part 2

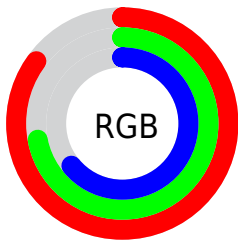
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 197, 164
Decimal	14203044
CIE <sub>Lab</sub>	77.02, 8.42, 14.41
CIE <sub>LCh</sub>	77, 16.692, 59.697
Yxy	51.5602, 0.3572, 0.3530
Android (android.graphics.Color)	4292393124 (0xFFD8B8A4)
YUV	191.2880, -13.4530, 21.6724
Hunter-Lab	71.8054, 4.0047, 15.3160

# Details

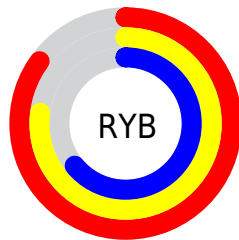
The XYZ color **52.1602, 51.5602, 42.3249** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **47.4440, 52.3288, 72.5659**, and the grayscale version is **49.7548, 52.3459, 57.0047**.

A 20% lighter version of the original color is **85.1863, 88.6946, 79.6478**, and **25.7389, 24.9795, 18.7942** is the 20% darker color. If you saturate the color by 10%, you get **47.7408, 45.5822, 32.0315**, and if you desaturate by 10%, it is **57.1731, 58.1942, 54.4518**.

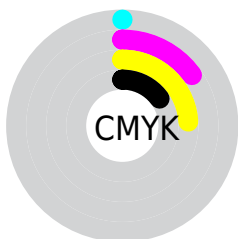
# Distribution



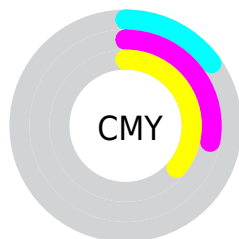
- Red (85%)
- Green (72%)
- Blue (64%)



- Red (85%)
- Yellow (77%)
- Blue (64%)



- Cyan (0%)
- Magenta (15%)
- Yellow (24%)
- Black (15%)




- Cyan (15%)
- Magenta (28%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1602, 51.5602, 42.3249 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 52.1602, 51.5602, 42.3249 by changing the saturation by 10% instead.





 52.1602, 51.5602,  
42.3249


 52.1602, 51.5602,  
42.3249


385.3686,  
392.7364, 371.6673

 37.3576, 36.6546,  
29.0283


 92.5403, 92.4823,  
79.9665

 25.6594, 24.9402,  
18.8565


 118.8485,  
119.2676, 105.1486

 16.7004, 16.0325,  
11.3909


149.7225,  
150.7817, 135.1296

 10.1151, 9.5472,  
6.2129

185.5278,  
187.4088, 170.3281

 5.5382, 5.0998,  
2.9041

226.6297,  
229.5335, 211.1625

 2.6043, 2.3059,  
1.0459

273.3936,

 0.9482, 0.7768,

277.5400, 258.0515

0.0000

326.1847,  
331.8129, 311.4136

■ 0.0000, 0.0000,  
0.0000

■ 52.1602, 51.5602,  
42.3249

■ 52.1602, 51.5602,  
42.3249

■ 47.7408, 45.5822,  
32.0315

■ 57.1731, 58.1942,  
54.4518

■ 43.8869, 40.2323,  
23.4779

■ 62.7978, 65.4971,  
68.4931

■ 40.5743, 35.4907,  
16.5668

■ 69.0568, 73.4902,  
84.5289

■ 37.7751, 31.3338,  
11.1901

■ 75.9701, 82.1917,  
102.6335

■ 35.4587, 27.7362,  
7.2263

■ 80.6971, 90.4752,  
107.8180

■ 33.5903, 24.6703,  
4.5353

■ 82.1290, 93.3390,  
108.2953

■ 32.1290, 22.1048,  
2.9473

■ 31.4195, 20.8000,  
2.3588

# Harmonies

## Analogous

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



54.5180, 51.5602, 47.8959



52.1602, 51.5602, 42.3249



49.0388, 51.5602, 40.3719

# Triad

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



52.1602, 51.5602, 42.3249



43.1369, 51.5602, 56.0476



52.1018, 51.5602, 72.7859

# Complementary

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



52.1602, 51.5602, 42.3249



47.4440, 52.3288, 72.5659

# 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.



48.9741, 51.5602, 75.5577



52.1602, 51.5602, 42.3249



43.8794, 51.5602, 65.2803

# Square

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



52.1602, 51.5602, 42.3249



43.9095, 51.5602, 47.7516



45.9824, 51.5602, 72.6758



54.4833, 51.5602, 65.4580



# Rectangle

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



52.1602, 51.5602, 42.3249



46.9722, 51.5602, 41.2006



45.9824, 51.5602, 72.6758



51.0985, 51.5602, 74.3145

# Sweetspot

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



52.1616, 51.5626, 42.3260



88.9037, 92.0947, 93.3260



51.5662, 45.1390, 58.2597



18.9202, 19.5712, 19.7027



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.



52.1616, 51.5626, 42.3260



72.5086, 70.4441, 53.5184



58.0502, 63.3399, 44.2889



12.8110, 13.1962, 13.0326



18.6941, 12.5055, 1.4285



1.2065, 0.9121, 0.1125

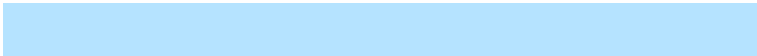


# Inverse Universe

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



47.4440, 52.3288, 72.5659



64.4644, 71.7430, 105.0579



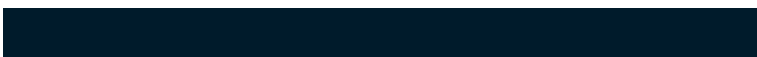
42.0923, 41.6255, 70.7820



12.3724, 13.2681, 15.8464



12.4006, 13.0631, 40.3210



0.8270, 0.9460, 2.4583



# Previews

## White Background



This preview shows how the XYZ color 52.1602, 51.5602, 42.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

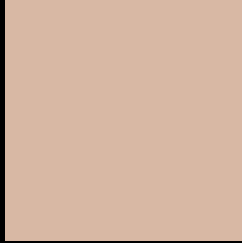
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1602, 51.5602, 42.3249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

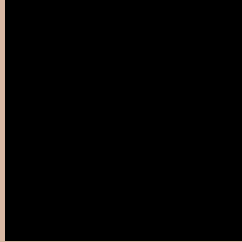
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.1602, 51.5602, 42.3249**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1602, 51.5602, 42.3249.



This preview shows how white text looks on a background with the XYZ color 52.1602, 51.5602,



# 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

52.1602, 51.5602, 42.3249

### Protanopia

48.9417, 51.7590, 43.9702

### Deuteranopia

52.5478, 51.4527, 42.2838



## Tritanopia

55.5741, 51.7532, 58.0992

# Trichromacy



## Original Color

52.1602, 51.5602, 42.3249

## Protanomaly

50.0430, 51.6987, 43.4177

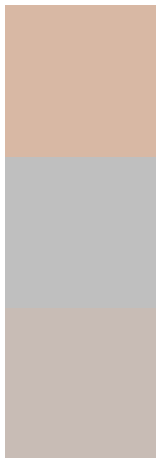
## Deuteranomaly

52.2496, 51.2990, 42.2698

## Tritanomaly

54.2845, 51.5267, 51.8843

# Monochromacy



## Original Color

52.1602, 51.5602, 42.3249

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

50.1431, 51.5820, 51.0296

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1602, 51.5602, 42.3249 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(216, 184, 164) looks like.

```
.text, #text, p{  
    color:rgb(216, 184, 164)  
}
```

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(216, 184, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 184, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1602, 51.5602, 42.3249 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(216, 184, 164) }
```



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

```
.border{ border-color:rgb(216, 184, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 184, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 184, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 184, 164);  
box-shadow:4px 4px 4px 4px rgb(216, 184,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1602, 51.5602, 42.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 184, 164) }
```

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

```
.background{ background-color: rgb(216,  
184, 164) }
```

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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