

Converting Colors

XYZ(51.0064, 51.0374, 38.4143)

Have a look what the booklet for
XYZ(51.0064, 51.0374, 38.4143)
contains.

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Color

**XYZ(51.1656, 51.1284,
38.6245)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B89C
RGB	215, 184, 156
RGB Percent	84%, 72%, 61%
CMY	0.1569, 0.2784, 0.3882
CMYK	0.00, 0.14, 0.27, 0.16
HSL	28°, 42%, 73%
HSV	28°, 27%, 84%
XYZ	51.1656, 51.1284, 38.6245
YIQ	190.0770, 27.4640, -2.1360

Conversions

Conversions Part 2

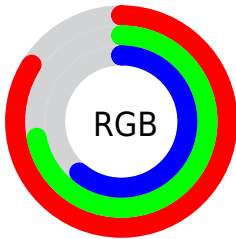
Format	Color
RYB	215, 209, 156
Decimal	14137500
CIELab	76.76, 6.93, 18.35
CIElCh	77, 19.611, 69.318
Yxy	51.1284, 0.3631, 0.3628
Android (android.graphics.Color)	4292327580 (0xFFD7B89C)
YUV	190.0770, -16.8000, 21.8575
Hunter-Lab	71.5041, 2.5955, 18.0261

Details

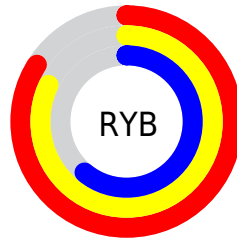
The XYZ color **51.1656, 51.1284, 38.6245** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.7459, 47.5134, 71.1556**, and the grayscale version is **49.0717, 51.6273, 56.2221**.

A 20% lighter version of the original color is **84.1580, 88.2833, 74.2328**, and **24.9642, 24.6234, 16.8016** is the 20% darker color. If you saturate the color by 10%, you get **47.2507, 45.9586, 29.1186**, and if you desaturate by 10%, it is **55.5928, 56.8065, 49.8922**.

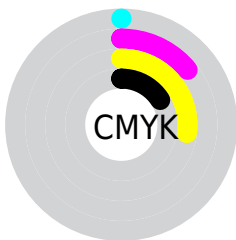
Distribution



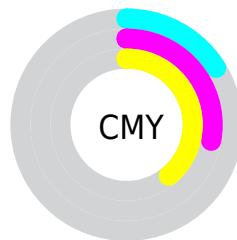
- Red (84%)
- Green (72%)
- Blue (61%)



- Red (84%)
- Yellow (82%)
- Blue (61%)



- Cyan (0%)
- Magenta (14%)
- Yellow (27%)
- Black (16%)





- Cyan (16%)
- Magenta (28%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1656, 51.1284, 38.6245 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 51.1656, 51.1284, 38.6245 by changing the saturation by 10% instead.


 51.1656, 51.1284,
38.6245


 51.1656, 51.1284,
38.6245


381.5839,
391.0624, 355.6696

 36.5620, 36.3108,
26.1622


 91.0810, 91.8445,
74.2783

 25.0407, 24.6743,
16.7181

 117.1236,
118.5119, 98.3069

 16.2362, 15.8346,
9.8739


147.7098,
149.8979, 127.0280

 9.7834, 9.4072,
5.2109


183.2051,
186.3870, 160.8601

 5.3167, 5.0077,
2.3106

223.9748,
228.3637, 200.2217

 2.4709, 2.2518,
0.7372

270.3843,

 0.8806, 0.7480,

276.2122, 245.5315

0.0000

322.7989,
330.3170, 297.2079

0.0000, 0.0000,
0.0000

51.1656, 51.1284,
38.6245

51.1656, 51.1284,
38.6245

47.2507, 45.9586,
29.1186

55.5928, 56.8065,
49.8922

43.8228, 41.2747,
21.2803

60.5483, 63.0006,
63.0028

40.8601, 37.0624,
15.0115

66.0522, 69.7270,
78.0363

38.3374, 33.3041,
10.2023

72.1223, 76.9993,
95.0667

36.2264, 29.9809,
6.7284

77.3761, 84.2705,
106.7954

■ 34.4949, 27.0715,
4.4442

■ 80.8143, 91.1468,
107.9415

■ 33.1001, 24.5503,
3.1521

■ 81.8344, 93.1871,
108.2815

■ 32.7808, 23.9599,
2.8970

Harmonies

Analogous

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



54.3408, 51.1284, 43.6761



51.1656, 51.1284, 38.6245



47.4474, 51.1284, 37.8077

Triad

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



51.1656, 51.1284, 38.6245



41.8756, 51.1284, 59.0522



53.2692, 51.1284, 73.0646

Complementary

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



51.1656, 51.1284, 38.6245



43.7459, 47.5134, 71.1556

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.



49.7630, 51.1284, 78.4234



51.1656, 51.1284, 38.6245



43.2711, 51.1284, 69.6806

Square

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



51.1656, 51.1284, 38.6245



42.2083, 51.1284, 48.7458



46.1139, 51.1284, 77.1118



55.5977, 51.1284, 63.2210

Rectangle

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



51.1656, 51.1284, 38.6245



45.1780, 51.1284, 39.6549



46.1139, 51.1284, 77.1118



52.1822, 51.1284, 75.5038

Sweetspot

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



51.1669, 51.1307, 38.6256



88.6135, 92.1068, 91.4026



48.9329, 41.8325, 52.7720



18.7205, 19.4092, 18.9040



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.



51.1669, 51.1307, 38.6256



71.8191, 70.6799, 48.3105



57.8280, 64.4529, 40.8459



12.9046, 13.3833, 13.0638



19.7114, 14.5400, 1.7676



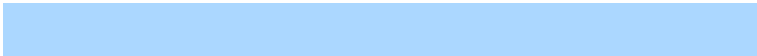
1.2714, 1.0421, 0.1341

Inverse Universe

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



43.7459, 47.5134, 71.1556



59.1271, 64.4914, 103.9395



38.1978, 36.4172, 69.3062



12.2771, 13.0776, 15.8147



10.9720, 10.2057, 39.8448



0.7444, 0.7808, 2.4308

Previews

White Background



This preview shows how the XYZ color 51.1656, 51.1284, 38.6245 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 51.1656, 51.1284, 38.6245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

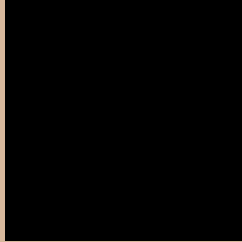
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1656, 51.1284, 38.6245

Background



This preview shows how black text looks on a background with the XYZ color 51.1656, 51.1284, 38.6245.



This preview shows how white text looks on a background with the XYZ color 51.1656, 51.1284,

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

51.1656, 51.1284, 38.6245

Protanopia

48.2750, 51.1778, 40.1348

Deuteranopia

51.9421, 50.9163, 38.5427



Tritanopia

54.9592, 51.1505, 57.4285

Trichromacy



Original Color

51.1656, 51.1284, 38.6245

Protanomaly

49.1187, 50.9884, 39.6007

Deuteranomaly

51.8477, 51.1727, 38.5971

Tritanomaly

53.6755, 51.2485, 50.2430

Monochromacy



Original Color

51.1656, 51.1284, 38.6245

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.5723, 51.3229, 49.4131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1656, 51.1284, 38.6245 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(215, 184, 156)` looks like.

```
.text, #text, p{  
    color:rgb(215, 184, 156)  
}
```

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(215, 184, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 184, 156) }
```

Border

The CSS property to change the border of an element to XYZ 51.1656, 51.1284, 38.6245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

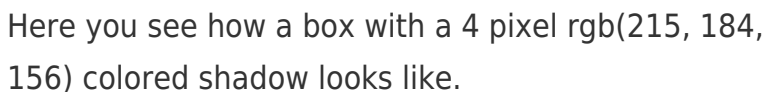
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 184, 156) }
```


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

```
.border{ border-color:rgb(215, 184, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 184, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 184, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 184, 156);  
box-shadow:4px 4px 4px 4px rgb(215, 184,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1656, 51.1284, 38.6245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 184, 156) }
```

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

```
.background{ background-color: rgb(215,  
184, 156) }
```

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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