

Converting Colors

XYZ(50.9650, 51.9654, 32.2553)

Have a look what the booklet for
XYZ(50.9650, 51.9654, 32.2553)
contains.

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Color

**XYZ(51.1192, 52.1858,
32.1895)**

Conversions

Conversions Part 1

Format	Color
Hex	D9BB8C
RGB	217, 187, 140
RGB Percent	85%, 73%, 55%
CMY	0.1490, 0.2666, 0.4510
CMYK	0.00, 0.14, 0.35, 0.15
HSL	37°, 50%, 70%
HSV	37°, 35%, 85%
XYZ	51.1192, 52.1858, 32.1895
YIQ	190.6120, 32.9670, -8.2570

Conversions

Conversions Part 2

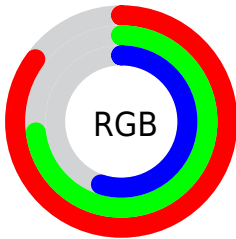
Format	Color
RYB	189, 217, 140
Decimal	14269324
CIELab	77.39, 4.07, 27.79
CIELCh	77, 28.082, 81.675
Yxy	52.1858, 0.3773, 0.3852
Android (android.graphics.Color)	4292459404 (0xFFD9BB8C)
YUV	190.6120, -24.9517, 23.1423
Hunter-Lab	72.2397, -0.1071, 24.1486

Details

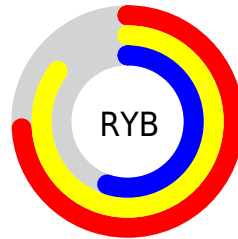
The XYZ color **51.1192, 52.1858, 32.1895** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.7139, 39.3333, 71.2500**, and the grayscale version is **49.4241, 51.9980, 56.6259**.

A 20% lighter version of the original color is **83.0282, 89.2562, 63.8911**, and **25.0262, 25.3485, 13.0249** is the 20% darker color. If you saturate the color by 10%, you get **47.9338, 48.1280, 23.9969**, and if you desaturate by 10%, it is **54.7284, 56.5859, 42.0812**.

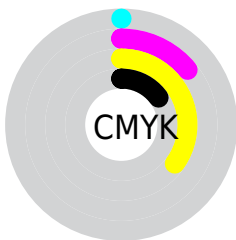
Distribution



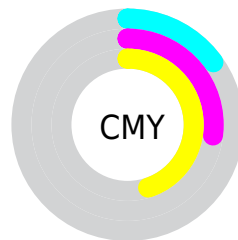
- Red (85%)
- Green (73%)
- Blue (55%)



- Red (74%)
- Yellow (85%)
- Blue (55%)



- Cyan (0%)
- Magenta (14%)
- Yellow (35%)
- Black (15%)





- Cyan (15%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1192, 52.1858, 32.1895 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 51.1192, 52.1858, 32.1895 by changing the saturation by 10% instead.


 51.1192, 52.1858,
32.1895

 51.1192, 52.1858,
32.1895


381.4068,
395.1535, 326.5009


 36.5249, 37.1532,
21.2403


 91.0129, 93.4052,
64.2094

 25.0118, 25.3261,
13.1068


 117.0430,
120.3608, 86.1172

 16.2147, 16.3202,
7.3705


 147.6158,
152.0595, 112.5148

 9.7680, 9.7510,
3.6130

183.0965,
188.8857, 143.8210

 5.3065, 5.2342,
1.4155

223.8507,
231.2238, 180.4541

 2.4648, 2.3853,
0.1538

270.2435,

 0.8775, 0.8183,

279.4582, 222.8327

0.0000

322.6404,
333.9733, 271.3755

■ 0.0000, 0.0000,
0.0000

■ 51.1192, 52.1858,
32.1895

■ 51.1192, 52.1858,
32.1895

■ 47.9338, 48.1280,
23.9969

■ 54.7284, 56.5859,
42.0812

■ 45.1477, 44.3940,
17.4015

■ 58.7763, 61.3312,
53.7595

■ 42.7400, 40.9745,
12.2952

■ 63.2818, 66.4341,
67.3097

■ 40.6854, 37.8563,
8.5552

■ 68.2615, 71.9038,
82.8106

■ 38.9549, 35.0247,
6.0385

■ 73.7310, 77.7491,
100.3366

■ 37.5136, 32.4623,
4.5701

■ 77.1597, 82.9605,
106.5540

■ 36.9302, 31.3816,
4.1108

■ 79.6751, 87.9914,
107.3925

■ 82.3076, 93.2564,
108.2700

■ 82.4253, 93.4917,
108.3092

Harmonies

Analogous

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



56.3207, 52.1858, 36.5440



51.1192, 52.1858, 32.1895



45.8649, 52.1858, 33.4299

Triad

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



51.1192, 52.1858, 32.1895



40.5662, 52.1858, 68.5244



58.1986, 52.1858, 77.3229

Complementary

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



51.1192, 52.1858, 32.1895



37.7139, 39.3333, 71.2500

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.



53.5347, 52.1858, 89.1682



51.1192, 52.1858, 32.1895



43.4383, 52.1858, 83.4811

Square

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



51.1192, 52.1858, 32.1895



40.0224, 52.1858, 52.6250



48.1132, 52.1858, 91.6058



60.5976, 52.1858, 61.2353

Rectangle

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



51.1192, 52.1858, 32.1895



43.0141, 52.1858, 37.3829



48.1132, 52.1858, 91.6058



56.8283, 52.1858, 82.0453

Sweetspot

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



51.1205, 52.1882, 32.1906



87.4709, 91.5487, 85.6973



45.3253, 36.4411, 43.0736



18.5348, 19.3818, 17.7815



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.



51.1205, 52.1882, 32.1906



69.9930, 70.5453, 36.8574



55.9261, 65.1183, 34.4331



13.7143, 14.3679, 13.7760



22.4610, 19.2076, 2.5236



1.5379, 1.4100, 0.1911

Inverse Universe

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



37.7139, 39.3333, 71.2500



47.7857, 49.2653, 101.5983



34.0615, 30.0345, 69.6476



12.7526, 13.4449, 16.5751



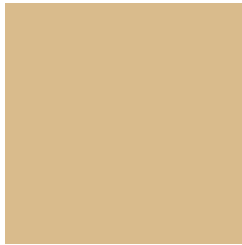
9.6215, 7.1123, 40.6041



0.7055, 0.6252, 2.6579

Previews

White Background



This preview shows how the XYZ color 51.1192, 52.1858, 32.1895 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 51.1192, 52.1858, 32.1895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

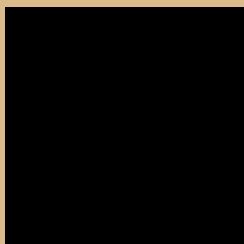
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1192, 52.1858, 32.1895

Background



This preview shows how black text looks on a background with the XYZ color 51.1192, 52.1858, 32.1895.



This preview shows how white text looks on a background with the XYZ color 51.1192, 52.1858,

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

51.1192, 52.1858, 32.1895

Protanopia

48.6901, 52.1937, 33.0993

Deuteranopia

53.1052, 51.9588, 32.4294



Tritanopia

56.4903, 52.2255, 58.1421

Trichromacy



Original Color

51.1192, 52.1858, 32.1895

Protanomaly

49.5157, 52.3053, 32.6855

Deuteranomaly

52.3796, 51.8920, 32.4548

Tritanomaly

54.3923, 52.2951, 47.2716

Monochromacy



Original Color

51.1192, 52.1858, 32.1895

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.6793, 52.0848, 46.4647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1192, 52.1858, 32.1895 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(217, 187, 140)` looks like.

```
.text, #text, p{  
    color:rgb(217, 187, 140)  
}
```

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(217, 187, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 187, 140) }
```

Border

The CSS property to change the border of an element to XYZ 51.1192, 52.1858, 32.1895 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(217, 187, 140) }
```


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

```
.border{ border-color:rgb(217, 187, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 187, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 187, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 187, 140);  
box-shadow:4px 4px 4px 4px rgb(217, 187,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1192, 52.1858, 32.1895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 187, 140) }
```

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

```
.background{ background-color: rgb(217,  
187, 140) }
```

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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