

Converting Colors

XYZ(50.5637, 51.0581, 50.1143)

Have a look what the booklet for
XYZ(50.5637, 51.0581, 50.1143)
contains.

XYZ(50.6990, 51.2505, 50.4002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.6990, 51.2505,
50.4002)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBAB4
RGB	204, 186, 180
RGB Percent	80%, 73%, 71%
CMY	0.2000, 0.2706, 0.2941
CMYK	0.00, 0.09, 0.12, 0.20
HSL	15°, 19%, 75%
HSV	15°, 12%, 80%
XYZ	50.6990, 51.2505, 50.4002
YIQ	190.6980, 12.6540, 1.9500

Conversions

Conversions Part 2

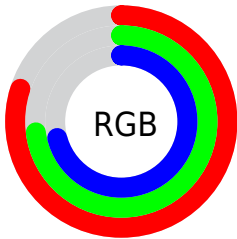
Format	Color
RYB	204, 188, 180
Decimal	13417140
CIELab	76.83, 5.37, 5.34
CIELCh	77, 7.573, 44.859
Yxy	51.2505, 0.3328, 0.3364
Android (android.graphics.Color)	4291607220 (0xFFCCBAB4)
YUV	190.6980, -5.2741, 11.6659
Hunter-Lab	71.5895, 1.1305, 8.3714

Details

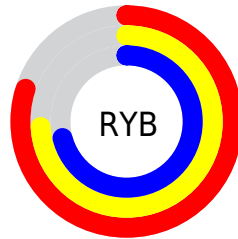
The XYZ color **50.6990, 51.2505, 50.4002** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.9154, 54.4501, 65.0064**, and the grayscale version is **49.3720, 51.9432, 56.5661**.

A 20% lighter version of the original color is **88.1325, 90.8204, 92.2419**, and **24.7960, 24.7914, 23.5570** is the 20% darker color. If you saturate the color by 10%, you get **45.7203, 44.3773, 39.2311**, and if you desaturate by 10%, it is **56.3315, 58.9406, 63.2976**.

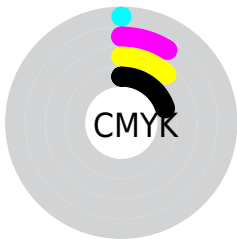
Distribution



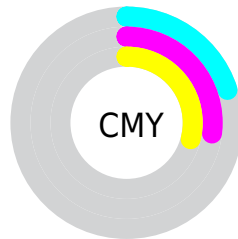
- Red (80%)
- Green (73%)
- Blue (71%)



- Red (80%)
- Yellow (74%)
- Blue (71%)



- Cyan (0%)
- Magenta (9%)
- Yellow (12%)
- Black (20%)



- Cyan (20%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6990, 51.2505, 50.4002 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 50.6990, 51.2505, 50.4002 by changing the saturation by 10% instead.

■ 50.6990, 51.2505,
50.4002

■ 50.6990, 51.2505,
50.4002

379.8002,
391.5362, 405.0087

■ 36.1892, 36.4080,
35.3581

■ 90.3953, 92.0249,
92.1700

■ 24.7511, 24.7495,
23.6531

116.3126,
118.7257, 119.7347

■ 16.0195, 15.8905,
14.8667

146.7630,
150.1480, 152.3107

■ 9.6289, 9.4467,
8.5803

182.1119,
186.6762, 190.3165

■ 5.2140, 5.0337,
4.3754

222.7247,
228.6947, 234.1706

■ 2.4094, 2.2670,
1.8335

268.9668,

■ 0.8498, 0.7562,

276.5880, 284.2917

0.4499

321.2035,
330.7404, 341.0982

■ 0.0000, 0.0000,
0.0000

■ 50.6990, 51.2505,
50.4002

■ 50.6990, 51.2505,
50.4002

■ 45.7203, 44.3773,
39.2311

■ 56.3315, 58.9406,
63.2976

■ 41.3669, 38.2873,
29.7131

■ 62.6364, 67.4665,
77.9891

■ 37.6147, 32.9543,
21.7685

■ 69.6367, 76.8549,
94.5413

■ 34.4362, 28.3480,
15.3115

■ 76.2717, 86.6968,
107.3219

■ 31.8016, 24.4363,
10.2484

■ 78.7121, 91.5775,
108.1354

■ 29.6783, 21.1842,
6.4747

■ 28.0299, 18.5538,
3.8707

■ 26.8143, 16.5026,
2.2942

■ 26.0873, 15.2080,
1.5605

Harmonies

Analogous

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



51.4346, 51.2505, 53.7963



50.6990, 51.2505, 50.4002



49.4380, 51.2505, 48.5009

Triad

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



50.6990, 51.2505, 50.4002



46.0907, 51.2505, 53.7596



49.4248, 51.2505, 63.8147

Complementary

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



50.6990, 51.2505, 50.4002



49.9154, 54.4501, 65.0064

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.



47.9932, 51.2505, 63.8037



50.6990, 51.2505, 50.4002



46.0874, 51.2505, 57.8592

Square

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



50.6990, 51.2505, 50.4002



46.7871, 51.2505, 50.3745



46.7777, 51.2505, 61.5789



50.6891, 51.2505, 61.6083

Rectangle

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



50.6990, 51.2505, 50.4002



48.4781, 51.2505, 48.2767



46.7777, 51.2505, 61.5789



48.9467, 51.2505, 64.0736

Sweetspot

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



50.7004, 51.2528, 50.4013



91.0593, 94.5771, 99.6821



51.4168, 49.5578, 60.2824



19.3342, 20.0305, 20.9766



0.0000, 0.0000, 0.0000



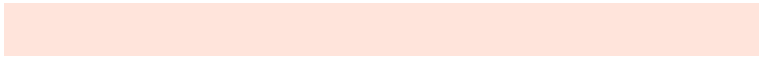
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7004, 51.2528, 50.4013



81.8726, 82.0041, 78.7383



53.3348, 56.5215, 51.2794



11.4366, 11.6621, 11.7277



16.4826, 9.6981, 1.0032



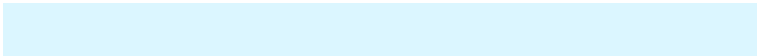
0.9124, 0.6246, 0.0725

Inverse Universe

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



49.9154, 54.4501, 65.0064



80.3306, 88.2804, 107.4137



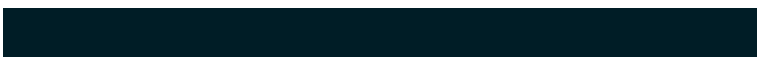
47.2811, 49.1815, 64.1283



11.2964, 12.2332, 14.3362



14.1036, 17.2312, 38.5389



0.7855, 1.0048, 2.0075

Previews

White Background



This preview shows how the XYZ color 50.6990, 51.2505, 50.4002 looks on a white background.

Color Contrast Check

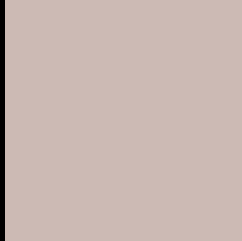
Large Text (above 18pt) WCAG AA × Fail

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 50.6990, 51.2505, 50.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

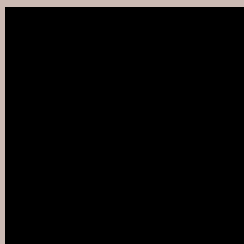
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6990, 51.2505, 50.4002

Background



This preview shows how black text looks on a background with the XYZ color 50.6990, 51.2505, 50.4002.



This preview shows how white text looks on a background with the XYZ color 50.6990, 51.2505,

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

50.6990, 51.2505, 50.4002

Protanopia

49.1468, 51.3747, 51.5820

Deuteranopia

52.1379, 51.0521, 50.8221



Tritanopia

52.5801, 51.0660, 60.5115

Trichromacy



Original Color

50.6990, 51.2505, 50.4002

Protanomaly

49.6124, 51.3084, 51.0047

Deuteranomaly

51.4934, 51.0271, 50.8513

Tritanomaly

51.7213, 51.0217, 56.4124

Monochromacy



Original Color

50.6990, 51.2505, 50.4002

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.9322, 51.7188, 54.3647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6990, 51.2505, 50.4002 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(204, 186, 180) looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 180)  
}
```

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(204, 186, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 180) }
```

Border

The CSS property to change the border of an element to XYZ 50.6990, 51.2505, 50.4002 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(204, 186, 180) }
```


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

```
.border{ border-color:rgb(204, 186, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 186, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 180);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6990, 51.2505, 50.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 180) }
```

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

```
.background{ background-color: rgb(204,  
186, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor