

Converting Colors

XYZ(21.3970, 12.8553, 4.4626)

Have a look what the booklet for
XYZ(21.3970, 12.8553, 4.4626)
contains.

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Color

**XYZ(21.3991, 12.8525,
4.4849)**

Conversions

Conversions Part 1

Format	Color
Hex	B73533
RGB	183, 53, 51
RGB Percent	72%, 21%, 20%
CMY	0.2824, 0.7921, 0.8000
CMYK	0.00, 0.71, 0.72, 0.28
HSL	1°, 56%, 46%
HSV	1°, 72%, 72%
XYZ	21.3991, 12.8525, 4.4849
YIQ	91.6420, 78.1220, 26.9380

Conversions

Conversions Part 2

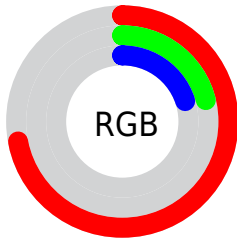
Format	Color
R_{YB}	183, 53, 51
Decimal	12006707
CIE Lab	42.54, 51.85, 31.86
CIE LCh	43, 60.853, 31.572
Yxy	12.8525, 0.5524, 0.3318
Android (android.graphics.Color)	4290196787 (0xFFB73533)
YUV	91.6420, -20.0365, 80.1210
Hunter-Lab	35.8504, 43.8085, 17.6781

Details

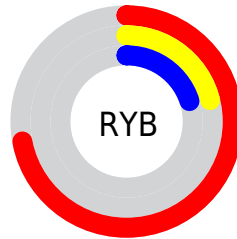
The XYZ color **21.3991, 12.8525, 4.4849** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.4346, 37.1670, 50.5802**, and the grayscale version is **10.1231, 10.6503, 11.5982**.

A 20% lighter version of the original color is **45.2234, 31.0194, 15.1591**, and **8.2067, 4.2263, 0.5842** is the 20% darker color. If you saturate the color by 10%, you get **20.3993, 11.3767, 2.5377**, and if you desaturate by 10%, it is **22.8670, 15.0110, 7.3715**.

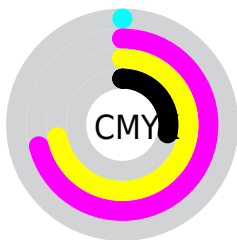
Distribution



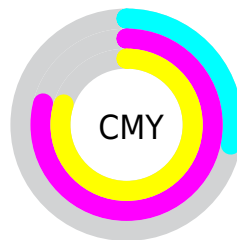
- Red (72%)
- Green (21%)
- Blue (20%)



- Red (72%)
- Yellow (21%)
- Blue (20%)



- Cyan (0%)
- Magenta (71%)
- Yellow (72%)
- Black (28%)



- Cyan (28%)
- Magenta (79%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3991, 12.8525, 4.4849 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 21.3991, 12.8525, 4.4849 by changing the saturation by 10% instead.

■ 21.3991, 12.8525,
4.4849

■ 21.3991, 12.8525,
4.4849

252.0837,
209.9702, 153.4715

■ 13.5302, 7.3271,
1.8950

■ 45.2371, 31.0385,
15.1135

■ 7.8741, 3.6675,
0.4895

■ 61.9369, 44.4679,
23.9892

■ 4.0656, 1.4893,
0.0000

■ 82.3110, 61.3007,
35.7973

■ 1.7393, 0.2812,
0.0000

■ 106.7247, 81.9214,
50.9562

■ 0.4807, 0.0000,
0.0000

■ 135.5435,
106.7143, 69.8845

■ 0.0000, 0.0000,
0.0000

■ 169.1327,

136.0638, 93.0009

207.8577,
170.3543, 120.7237

■ 21.3991, 12.8525,
4.4849

■ 21.3991, 12.8525,
4.4849

■ 20.3993, 11.3767,
2.5377

■ 22.8670, 15.0110,
7.3715

■ 19.8103, 10.4999,
1.4124

■ 24.8500, 17.9186,
11.2949

■ 19.5585, 10.1277,
0.9240

■ 27.3900, 21.6365,
16.3412

■ 30.5248, 26.2188,
22.5872

■ 34.2885, 31.7152,
30.1031

■ 38.7128, 38.1714,
38.9534

■ 43.8273, 45.6302,
49.1986

■ 49.6598, 54.1317,
60.8952

■ 56.2364, 63.7138,
74.0968

Harmonies

Analogous

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



23.3518, 12.8525, 13.3114



21.3991, 12.8525, 4.4849



16.9250, 12.8525, 1.4510

Triad

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



21.3991, 12.8525, 4.4849



5.9754, 12.8525, 5.0719



12.4599, 12.8525, 57.6097

Complementary

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



21.3991, 12.8525, 4.4849



26.4346, 37.1670, 50.5802

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.



8.4730, 12.8525, 50.1421



21.3991, 12.8525, 4.4849



5.3398, 12.8525, 14.7000

Square

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



21.3991, 12.8525, 4.4849



8.1482, 12.8525, 1.6096



6.1271, 12.8525, 31.8702



17.4522, 12.8525, 48.5340

Rectangle

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



21.3991, 12.8525, 4.4849



13.5577, 12.8525, 0.9193



6.1271, 12.8525, 31.8702



10.9657, 12.8525, 56.9346

Sweetspot

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



21.3994, 12.8533, 4.4851



61.2403, 56.5534, 53.5744



29.2594, 15.8538, 46.3175



13.1010, 11.8703, 10.9836



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.3994, 12.8533, 4.4851



35.7914, 19.2706, 3.1178



26.4872, 23.0289, 6.1810



9.0153, 9.0335, 9.3754



13.6491, 7.0745, 0.6461



0.4849, 0.2568, 0.0240

Inverse Universe

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



26.4346, 37.1670, 50.5802



45.2939, 65.2639, 90.4457



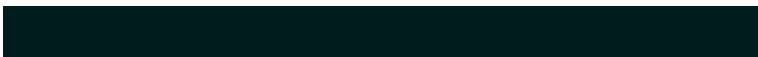
16.2738, 16.8453, 47.1932



9.2547, 10.1865, 11.5579



17.3840, 25.2277, 35.2063



0.6166, 0.8968, 1.2424

Previews

White Background



This preview shows how the XYZ color 21.3991, 12.8525, 4.4849 looks on a white 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3991, 12.8525, 4.4849

Background



This preview shows how black text looks on a background with the XYZ color 21.3991, 12.8525, 4.4849.

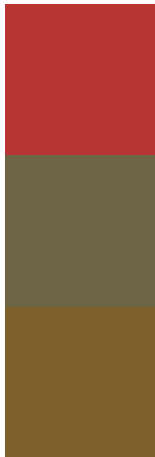


This preview shows how white text looks on a background with the XYZ color 21.3991, 12.8525,

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

21.3991, 12.8525, 4.4849

Protanopia

12.1275, 13.0397, 7.3466

Deuteranopia

13.2231, 12.9758, 4.0931



Tritanopia

21.4460, 12.7991, 4.9546

Trichromacy



Original Color

21.3991, 12.8525, 4.4849

Protanomaly

14.3564, 12.0068, 6.1183

Deuteranomaly

15.3944, 12.1376, 4.1162

Tritanomaly

21.4223, 12.7896, 4.8296

Monochromacy



Original Color

21.3991, 12.8525, 4.4849

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.5214, 10.3446, 8.3579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3991, 12.8525, 4.4849 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(183, 53, 51)` looks like.

```
.text, #text, p{  
    color:rgb(183, 53, 51)  
}
```

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(183, 53, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 53, 51) }
```

Border

The CSS property to change the border of an element to XYZ 21.3991, 12.8525, 4.4849 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(183, 53, 51) }
```


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

```
.border{ border-color:rgb(183, 53, 51) }
```

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

Here you see how a box with a 4 pixel rgb(183, 53, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 53, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 53, 51);  
box-shadow:4px 4px 4px 4px rgb(183, 53,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3991, 12.8525, 4.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 53, 51) }
```

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

```
.background{ background-color: rgb(183, 53,  
51) }
```

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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