

Converting Colors

XYZ(22.2796, 12.5228, 4.4969)

Have a look what the booklet for
XYZ(22.2796, 12.5228, 4.4969)
contains.

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Color

**XYZ(22.3649, 12.5843,
4.4991)**

Conversions

Conversions Part 1

Format	Color
Hex	BD2834
RGB	189, 40, 52
RGB Percent	74%, 16%, 20%
CMY	0.2588, 0.8431, 0.7961
CMYK	0.00, 0.79, 0.72, 0.26
HSL	355°, 65%, 45%
HSV	355°, 79%, 74%
XYZ	22.3649, 12.5843, 4.4991
YIQ	85.9190, 84.9520, 35.3200

Conversions

Conversions Part 2

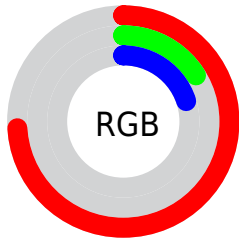
Format	Color
R _Y B	189, 40, 52
Decimal	12396596
CIE Lab	42.13, 58.12, 31.08
CIE LCh	42, 65.911, 28.135
Yxy	12.5843, 0.5669, 0.3190
Android (android.graphics.Color)	4290586676 (0xFFBD2834)
YUV	85.9190, -16.7221, 90.4020
Hunter-Lab	35.4744, 50.4557, 17.3125

Details

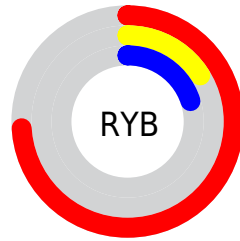
The XYZ color **22.3649, 12.5843, 4.4991** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **27.0099, 40.0211, 47.9016**, and the grayscale version is **8.8509, 9.3119, 10.1406**.

A 20% lighter version of the original color is **46.8589, 30.5200, 15.2256**, and **8.9514, 4.6089, 0.6763** is the 20% darker color. If you saturate the color by 10%, you get **21.5542, 11.4783, 2.6403**, and if you desaturate by 10%, it is **23.6316, 14.3720, 7.2208**.

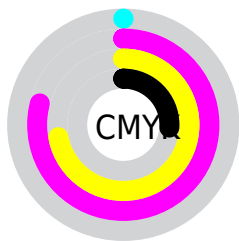
Distribution



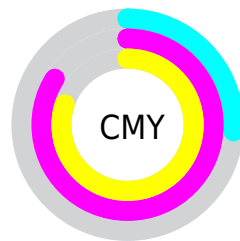
- Red (74%)
- Green (16%)
- Blue (20%)



- Red (74%)
- Yellow (16%)
- Blue (20%)



- Cyan (0%)
- Magenta (79%)
- Yellow (72%)
- Black (26%)





- Cyan (26%)
- Magenta (84%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3649, 12.5843, 4.4991 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 22.3649, 12.5843, 4.4991 by changing the saturation by 10% instead.


 22.3649, 12.5843,
4.4991


 22.3649, 12.5843,
4.4991


257.0427,
208.2360, 153.6211


 14.2434, 7.1429,
1.9029


 46.8227, 30.5549,
15.1454


 8.3730, 3.5516,
0.4946


 63.8898, 43.8529,
24.0326

 4.3883, 1.4261,
0.0000

 84.6693, 60.5386,
35.8539

 1.9241, 0.2358,
0.0000

 109.5268, 80.9964,
51.0279

 0.5908, 0.0000,
0.0000

 138.8275,
105.6106, 69.9731

 0.0000, 0.0000,
0.0000

 172.9368,

134.7657, 93.1080

212.2201,
168.8461, 120.8511

■ 22.3649, 12.5843,
4.4991

■ 22.3649, 12.5843,
4.4991

■ 21.5542, 11.4783,
2.6403

■ 23.6316, 14.3720,
7.2208

■ 21.1132, 10.9080,
1.5330

■ 25.4076, 16.9250,
10.8930

■ 21.0739, 10.8538,
1.4441

■ 27.7399, 20.3172,
15.5930

■ 30.6698, 24.6133,
21.3902

■ 34.2347, 29.8717,
28.3477

■ 38.4689, 36.1457,
36.5241

■ 43.4043, 43.4849,
45.9736

■ 49.0707, 51.9356,
56.7477

■ 55.4962, 61.5412,
68.8945

Harmonies

Analogous

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



24.0929, 12.5843, 14.6007



22.3649, 12.5843, 4.4991



17.6680, 12.5843, 1.1790

Triad

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



22.3649, 12.5843, 4.4991



5.6020, 12.5843, 3.8123



11.6565, 12.5843, 62.3706

Complementary

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



22.3649, 12.5843, 4.4991



27.0099, 40.0211, 47.9016

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.



7.6379, 12.5843, 51.8718



22.3649, 12.5843, 4.4991



4.7899, 12.5843, 12.8413

Square

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



22.3649, 12.5843, 4.4991



8.0392, 12.5843, 1.0157



5.4188, 12.5843, 30.8116



16.9871, 12.5843, 54.0377

Rectangle

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



22.3649, 12.5843, 4.4991



14.0085, 12.5843, 0.5688



5.4188, 12.5843, 30.8116



10.1234, 12.5843, 60.8364

Sweetspot

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



22.3652, 12.5851, 4.4993



64.5348, 58.2663, 57.0061



27.9813, 14.4908, 49.4661



13.3185, 11.7018, 11.1762



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.3652, 12.5851, 4.4993



37.9676, 19.7440, 3.1030



26.1296, 20.4925, 4.5868



9.5605, 9.5485, 10.0746



14.1911, 7.3076, 1.0340



0.5666, 0.2905, 0.0969

Inverse Universe

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



22.3652, 12.5851, 4.4993



37.9676, 19.7440, 3.1030



17.6400, 19.2839, 50.9363



9.5605, 9.5485, 10.0746



14.1911, 7.3076, 1.0340



0.5666, 0.2905, 0.0969

Previews

White Background



This preview shows how the XYZ color 22.3649, 12.5843, 4.4991 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



This preview shows how the XYZ color 22.3649, 12.5843, 4.4991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

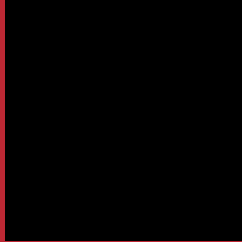
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3649, 12.5843, 4.4991

Background



This preview shows how black text looks on a background with the XYZ color 22.3649, 12.5843, 4.4991.



This preview shows how white text looks on a background with the XYZ color 22.3649, 12.5843,

4.4991.

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

22.3649, 12.5843, 4.4991

Protanopia

11.9112, 12.7704, 7.9680

Deuteranopia

13.0764, 12.9001, 4.0863



Tritanopia

22.2321, 12.6419, 3.4589

Trichromacy



Original Color

22.3649, 12.5843, 4.4991

Protanomaly

13.9951, 11.1488, 6.4153

Deuteranomaly

15.2903, 11.6620, 4.0299

Tritanomaly

22.2723, 12.6019, 3.8433

Monochromacy



Original Color

22.3649, 12.5843, 4.4991

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.5325, 8.9616, 7.6005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3649, 12.5843, 4.4991 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(189, 40, 52)` looks like.

```
.text, #text, p{  
    color:rgb(189, 40, 52)  
}
```

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(189, 40, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 40, 52) }
```

Border

The CSS property to change the border of an element to XYZ 22.3649, 12.5843, 4.4991 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(189, 40, 52) }
```


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

```
.border{ border-color:rgb(189, 40, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 40, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 40, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 40, 52);  
box-shadow:4px 4px 4px 4px rgb(189, 40,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3649, 12.5843, 4.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 40, 52) }
```

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

```
.background{ background-color: rgb(189, 40,  
52) }
```

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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