

Converting Colors

XYZ(22.1278, 12.9568, 4.2074)

Have a look what the booklet for
XYZ(22.1278, 12.9568, 4.2074)
contains.

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Color

**XYZ(22.1462, 12.9832,
4.2445)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3131
RGB	187, 49, 49
RGB Percent	73%, 19%, 19%
CMY	0.2667, 0.8078, 0.8078
CMYK	0.00, 0.74, 0.74, 0.27
HSL	0°, 58%, 46%
HSV	0°, 74%, 73%
XYZ	22.1462, 12.9832, 4.2445
YIQ	90.2620, 82.2480, 29.2560

Conversions

Conversions Part 2

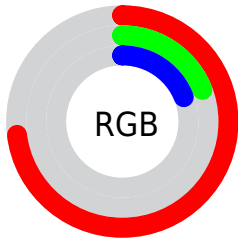
Format	Color
RYB	187, 49, 49
Decimal	12267825
CIELab	42.74, 54.49, 33.46
CIELCh	43, 63.945, 31.550
Yxy	12.9832, 0.5625, 0.3297
Android (android.graphics.Color)	4290457905 (0xFFBB3131)
YUV	90.2620, -20.3422, 84.8392
Hunter-Lab	36.0322, 46.6537, 18.2383

Details

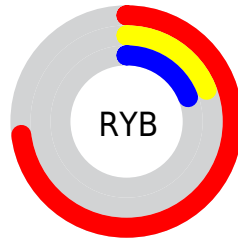
The XYZ color **22.1462, 12.9832, 4.2445** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **28.0043, 39.7769, 53.2151**, and the grayscale version is **9.8094, 10.3202, 11.2387**.

A 20% lighter version of the original color is **46.5872, 31.2717, 14.6469**, and **8.6261, 4.4444, 0.5181** is the 20% darker color. If you saturate the color by 10%, you get **21.2038, 11.6044, 2.3708**, and if you desaturate by 10%, it is **23.5772, 15.0776, 7.0886**.

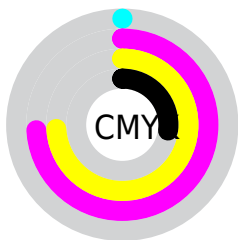
Distribution



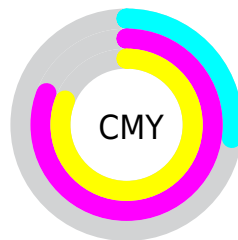
- Red (73%)
- Green (19%)
- Blue (19%)



- Red (73%)
- Yellow (19%)
- Blue (19%)



- Cyan (0%)
- Magenta (74%)
- Yellow (74%)
- Black (27%)





- Cyan (27%)
- Magenta (81%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1462, 12.9832, 4.2445 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 22.1462, 12.9832, 4.2445 by changing the saturation by 10% instead.


 22.1462, 12.9832,
4.2445


 22.1462, 12.9832,
4.2445


255.9269,
210.8100, 150.9054


 14.0816, 7.4170,
1.7604


 46.4646, 31.2736,
14.5698


 8.2595, 3.7242,
0.4016


 63.4490, 44.7666,
23.2482

 4.3146, 1.5205,
0.0000

 84.1375, 61.6706,
34.8283

 1.8816, 0.3031,
0.0000

 108.8952, 82.3700,
49.7288

 0.5661, 0.0000,
0.0000

 138.0877,
107.2493, 68.3683

 0.0000, 0.0000,
0.0000

 172.0802,

136.6928, 91.1651

211.2382,
171.0849, 118.5380

■ 22.1462, 12.9832,
4.2445

■ 22.1462, 12.9832,
4.2445

■ 21.2038, 11.6044,
2.3708

■ 23.5772, 15.0776,
7.0886

■ 20.6841, 10.8440,
1.3381

■ 25.5497, 17.9639,
11.0097

■ 20.4935, 10.5650,
0.9591

■ 28.1107, 21.7115,
16.1008

■ 31.3020, 26.3813,
22.4449

■ 35.1616, 32.0289,
30.1175

■ 39.7242, 38.7054,
39.1880

■ 45.0226, 46.4583,
49.7211

■ 51.0871, 55.3323,
61.7773

■ 57.9465, 65.3694,
75.4138

Harmonies

Analogous

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



24.2452, 12.9832, 13.4246



22.1462, 12.9832, 4.2445



17.3519, 12.9832, 1.2444

Triad

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



22.1462, 12.9832, 4.2445



5.8097, 12.9832, 4.8321



12.5947, 12.9832, 61.3551

Complementary

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



22.1462, 12.9832, 4.2445



28.0043, 39.7769, 53.2151

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.



8.4002, 12.9832, 53.1700



22.1462, 12.9832, 4.2445



5.1547, 12.9832, 14.8731

Square

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



22.1462, 12.9832, 4.2445



8.0659, 12.9832, 1.3933



5.9641, 12.9832, 33.2866



17.9075, 12.9832, 51.4377

Rectangle

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



22.1462, 12.9832, 4.2445



13.7658, 12.9832, 0.7296



5.9641, 12.9832, 33.2866



11.0165, 12.9832, 60.6107

Sweetspot

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



22.1465, 12.9840, 4.2447



64.0730, 58.9712, 56.1241



30.5613, 16.3492, 48.5583



13.6580, 12.3251, 11.4610



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.



22.1465, 12.9840, 4.2447



37.2819, 19.7675, 2.8662



27.5262, 23.7433, 6.0379



9.5303, 9.5365, 9.9151



14.1204, 7.2795, 0.6609



0.5531, 0.2852, 0.0259

Inverse Universe

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



28.0043, 39.7769, 53.2151



48.3293, 70.2979, 95.2230



16.7146, 17.1977, 49.4518



9.8086, 10.8094, 12.2417



18.4221, 26.9560, 36.6250



0.7216, 1.0559, 1.4346

Previews

White Background



This preview shows how the XYZ color 22.1462, 12.9832, 4.2445 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 22.1462, 12.9832, 4.2445

Background



This preview shows how black text looks on a background with the XYZ color 22.1462, 12.9832, 4.2445.



This preview shows how white text looks on a background with the XYZ color 22.1462, 12.9832,

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

22.1462, 12.9832, 4.2445

Protanopia

12.2903, 13.2756, 7.0689

Deuteranopia

13.4101, 13.2146, 3.8514



Tritanopia

22.1894, 13.0004, 4.4718

Trichromacy



Original Color

22.1462, 12.9832, 4.2445

Protanomaly

14.5563, 12.0017, 5.8243

Deuteranomaly

15.6991, 12.3013, 3.8325

Tritanomaly

22.1676, 12.9917, 4.3569

Monochromacy



Original Color

22.1462, 12.9832, 4.2445

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

12.2435, 9.9001, 7.9222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1462, 12.9832, 4.2445 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(187, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(187, 49, 49)  
}
```

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(187, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 49, 49) }
```

Border

The CSS property to change the border of an element to XYZ 22.1462, 12.9832, 4.2445 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(187, 49, 49) }
```


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

```
.border{ border-color:rgb(187, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(187, 49,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1462, 12.9832, 4.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 49, 49) }
```

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

```
.background{ background-color: rgb(187, 49,  
49) }
```

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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