

Converting Colors

XYZ(21.7403, 12.4372, 1.2548)

Have a look what the booklet for
XYZ(21.7403, 12.4372, 1.2548)
contains.

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Color

**XYZ(21.8142, 12.4747,
1.2581)**

Conversions

Conversions Part 1

Format	Color
Hex	BD2A00
RGB	189, 42, 0
RGB Percent	74%, 16%, 0%
CMY	0.2588, 0.8352, 1.0000
CMYK	0.00, 0.78, 1.00, 0.26
HSL	13°, 100%, 37%
HSV	13°, 100%, 74%
XYZ	21.8142, 12.4747, 1.2581
YIQ	81.1650, 101.0940, 18.1020

Conversions

Conversions Part 2

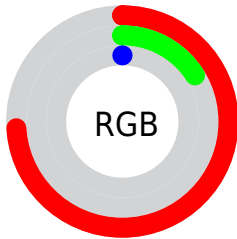
Format	Color
RYB	189, 54, 0
Decimal	12397056
CIELab	41.96, 56.30, 54.72
CIElCh	42, 78.507, 44.185
Yxy	12.4747, 0.6137, 0.3509
Android (android.graphics.Color)	4290587136 (0xFFBD2A00)
YUV	81.1650, -40.0143, 94.5713
Hunter-Lab	35.3195, 48.4367, 22.6117

Details

The XYZ color **21.8142, 12.4747, 1.2581** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.6172, 24.5380, 51.8461**, and the grayscale version is **7.9174, 8.3298, 9.0711**.

A 20% lighter version of the original color is **46.0961, 30.4515, 6.9382**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **21.8144, 12.4754, 1.2582**, and if you desaturate by 10%, it is **22.5516, 13.7631, 2.0796**.

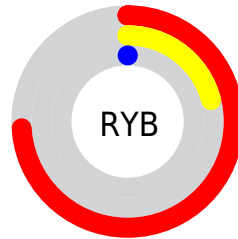
Distribution



Red (74%)

Green (16%)

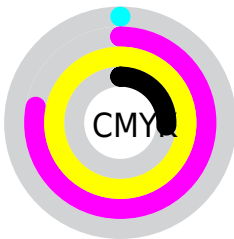
Blue (0%)



Red (74%)

Yellow (21%)

Blue (0%)

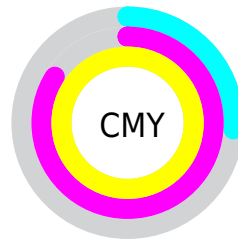


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8142, 12.4747, 1.2581 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 21.8142, 12.4747, 1.2581 by changing the saturation by 10% instead.


 21.8142, 12.4747,
1.2581


 21.8142, 12.4747,
1.2581


 254.2251,
207.5231, 109.5168


 13.8363, 7.0678,
0.0271


 45.9199, 30.3568,
6.8898


 8.0878, 3.5046,
0.0000


 62.7783, 43.6008,
12.3984

 4.2035, 1.4005,
0.0000

 83.3276, 60.2259,
20.2603

 1.8179, 0.2171,
0.0000

 107.9332, 80.6167,
30.8939

 0.5284, 0.0000,
0.0000


 136.9604,
105.1574, 44.7178


 0.0000, 0.0000,
0.0000


 170.7745,


134.2324, 62.1506


 209.7410,
168.2262, 83.6107


 21.8142, 12.4747,
1.2581


 21.8142, 12.4747,
1.2581


 21.8144, 12.4754,
1.2582

 22.5516, 13.7631,
2.0796

 23.6121, 15.5161,
3.5673

 25.0536, 17.7840,
5.9440

 26.9117, 20.6049,
9.3236

 29.2176, 24.0130,
13.8028

■ 31.9992, 28.0397,
19.4669

■ 35.2822, 32.7142,
26.3926

■ 39.0902, 38.0635,
34.6502

■ 43.4455, 44.1134,
44.3048

Harmonies

Analogous

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



26.3306, 12.4747, 7.1515



21.8142, 12.4747, 1.2581



15.1715, 12.4747, 0.0000

Triad

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



21.8142, 12.4747, 1.2581



4.0261, 12.4747, 6.5930



14.8123, 12.4747, 74.2590

Complementary

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



21.8142, 12.4747, 1.2581



19.6172, 24.5380, 51.8461

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.



9.0640, 12.4747, 73.5297



21.8142, 12.4747, 1.2581



3.9862, 12.4747, 23.0345

Square

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



21.8142, 12.4747, 1.2581



5.6480, 12.4747, 1.1308



5.5119, 12.4747, 50.3408



21.4783, 12.4747, 51.8992

Rectangle

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



21.8142, 12.4747, 1.2581



11.0597, 12.4747, 0.0000



5.5119, 12.4747, 50.3408



12.6914, 12.4747, 77.0576

Sweetspot

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



21.8145, 12.4755, 1.2583



62.8873, 58.1622, 46.6201



26.3353, 12.9584, 29.1508



12.9705, 11.7226, 8.8501



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.



21.8145, 12.4755, 1.2583



38.9250, 22.0536, 2.2052



29.7129, 28.2724, 3.8911



9.6976, 9.8711, 9.9708



14.7255, 8.4897, 0.8626



0.6269, 0.4328, 0.0505

Inverse Universe

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



19.6172, 24.5380, 51.8461



34.9480, 43.5746, 92.7950



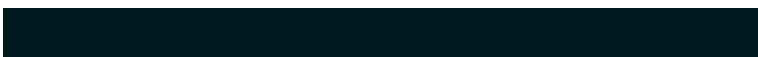
10.4836, 6.2708, 48.8015



9.6238, 10.4399, 12.1801



13.2578, 16.6274, 34.9036



0.5646, 0.7418, 1.3823

Previews

White Background



This preview shows how the XYZ color 21.8142, 12.4747, 1.2581 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

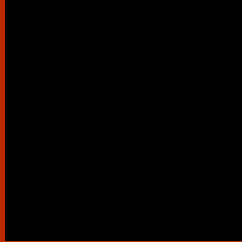
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8142, 12.4747, 1.2581

Background



This preview shows how black text looks on a background with the XYZ color 21.8142, 12.4747, 1.2581.



This preview shows how white text looks on a background with the XYZ color 21.8142, 12.4747,

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

21.8142, 12.4747, 1.2581

Protanopia

11.5120, 12.6830, 2.6004

Deuteranopia

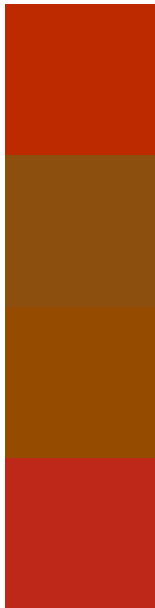
12.6964, 12.6200, 1.7667



Tritanopia

22.0948, 12.4231, 3.2408

Trichromacy



Original Color

21.8142, 12.4747, 1.2581

Protanomaly

13.8598, 11.2864, 1.8635

Deuteranomaly

14.9789, 11.5584, 1.4415

Tritanomaly

21.9205, 12.4066, 2.1591

Monochromacy



Original Color

21.8142, 12.4747, 1.2581

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.3727, 8.2553, 4.2955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8142, 12.4747, 1.2581 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, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 42, 0)  
}
```

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, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 42, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8142, 12.4747, 1.2581 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, 42, 0) }
```


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

```
.border{ border-color:rgb(189, 42, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 42, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8142, 12.4747, 1.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 42, 0) }
```

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

```
.background{ background-color: rgb(189, 42,  
0) }
```

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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