

Converting Colors

XYZ(21.3109, 12.1835, 1.2783)

Have a look what the booklet for
XYZ(21.3109, 12.1835, 1.2783)
contains.

XYZ(21.2974, 12.1551, 1.2811)	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(21.2974, 12.1551,
1.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	BB2902
RGB	187, 41, 2
RGB Percent	73%, 16%, 1%
CMY	0.2667, 0.8392, 0.9922
CMYK	0.00, 0.78, 0.99, 0.27
HSL	13°, 98%, 37%
HSV	13°, 99%, 73%
XYZ	21.2974, 12.1551, 1.2811
YIQ	80.2080, 99.5350, 18.8230

Conversions

Conversions Part 2

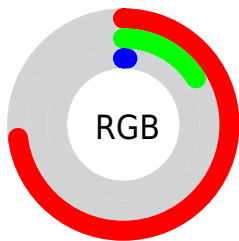
Format	Color
RYB	187, 51, 2
Decimal	12265730
CIELab	41.46, 56.01, 53.58
CIELCh	41, 77.515, 43.730
Yxy	12.1551, 0.6132, 0.3500
Android (android.graphics.Color)	4290455810 (0xFFBB2902)
YUV	80.2080, -38.5565, 93.6566
Hunter-Lab	34.8642, 48.0276, 22.2263

Details

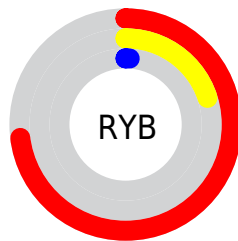
The XYZ color **21.2974, 12.1551, 1.2811** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.5825, 24.7766, 50.7635**, and the grayscale version is **7.7260, 8.1284, 8.8518**.

A 20% lighter version of the original color is **44.9351, 29.7087, 6.9805**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **21.2331, 12.0444, 1.2057**, and if you desaturate by 10%, it is **22.0289, 13.4238, 2.1250**.

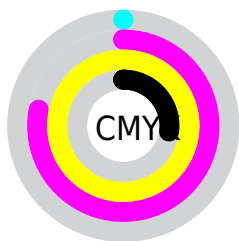
Distribution



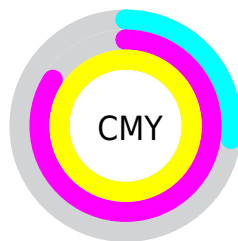
- Red (73%)
- Green (16%)
- Blue (1%)



- Red (73%)
- Yellow (20%)
- Blue (1%)



- Cyan (0%)
- Magenta (78%)
- Yellow (99%)
- Black (27%)





- Cyan (27%)
- Magenta (84%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2974, 12.1551, 1.2811 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 21.2974, 12.1551, 1.2811 by changing the saturation by 10% instead.


 21.2974, 12.1551,
1.2811


 21.2974, 12.1551,
1.2811


 251.5567,
205.4294, 109.9665


 13.4553, 6.8494,
0.0462


 45.0695, 29.7773,
6.9611

 7.8219, 3.3681,
0.0000


 61.7302, 42.8625,
12.5038

 4.0321, 1.3268,
0.0000

 82.0612, 59.3098,
20.4064

 1.7203, 0.1618,
0.0000

 106.4277, 79.5034,
31.0874

 0.4689, 0.0000,
0.0000


 135.1951,
103.8278, 44.9654


 0.0000, 0.0000,
0.0000


 168.7289,


132.6673, 62.4589


 207.3943,
166.4064, 83.9864


 21.2974, 12.1551,
1.2811

 21.2974, 12.1551,
1.2811


 21.2331, 12.0444,
1.2057

 22.0289, 13.4238,
2.1250

 23.0894, 15.1603,
3.6638

 24.5304, 17.4128,
6.0846

 26.3868, 20.2196,
9.4964

 28.6892, 23.6150,
13.9923

■ 31.4652, 27.6306,
19.6544

■ 34.7402, 32.2956,
26.5570

■ 38.5375, 37.6374,
34.7682

■ 42.8791, 43.6817,
44.3509

Harmonies

Analogous

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



25.6183, 12.1551, 7.1461



21.2974, 12.1551, 1.2811



14.8662, 12.1551, 0.0000

Triad

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



21.2974, 12.1551, 1.2811



3.9554, 12.1551, 6.2999



14.3236, 12.1551, 72.1597

Complementary

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



21.2974, 12.1551, 1.2811



19.5825, 24.7766, 50.7635

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.



8.7728, 12.1551, 71.0613



21.2974, 12.1551, 1.2811



3.8948, 12.1551, 22.0621

Square

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



21.2974, 12.1551, 1.2811



5.5601, 12.1551, 1.0866



5.3539, 12.1551, 48.4172



20.7904, 12.1551, 50.7658

Rectangle

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



21.2974, 12.1551, 1.2811



10.8617, 12.1551, 0.0000



5.3539, 12.1551, 48.4172



12.2732, 12.1551, 74.7358

Sweetspot

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



21.2977, 12.1559, 1.2813



61.2475, 56.4640, 45.4903



26.0200, 12.8101, 29.9552



12.9293, 11.6403, 8.8364



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.



21.2977, 12.1559, 1.2813



37.8914, 21.2966, 2.1136



28.6879, 26.9363, 3.7447



9.6889, 9.8537, 9.9679



14.6736, 8.3859, 0.8453



0.6231, 0.4252, 0.0492

Inverse Universe

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



19.5825, 24.7766, 50.7635



34.7314, 43.7595, 90.8173



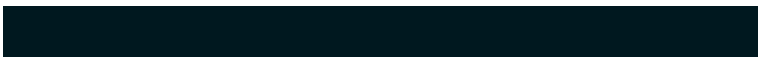
10.4826, 6.5767, 47.7302



9.6332, 10.4587, 12.1832



13.4835, 17.0787, 34.9788



0.5718, 0.7562, 1.3847

Previews

White Background



This preview shows how the XYZ color 21.2974, 12.1551, 1.2811 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 21.2974, 12.1551, 1.2811

Background



This preview shows how black text looks on a background with the XYZ color 21.2974, 12.1551, 1.2811.



This preview shows how white text looks on a background with the XYZ color 21.2974, 12.1551,

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

21.2974, 12.1551, 1.2811

Protanopia

11.1622, 12.3611, 2.5567

Deuteranopia

12.4602, 12.3654, 1.7300



Tritanopia

21.5528, 12.0975, 3.1185

Trichromacy



Original Color

21.2974, 12.1551, 1.2811

Protanomaly

13.4581, 10.9722, 1.8605

Deuteranomaly

14.7343, 11.3302, 1.4391

Tritanomaly

21.4055, 12.0904, 2.1828

Monochromacy



Original Color

21.2974, 12.1551, 1.2811

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.1758, 8.0663, 4.2694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2974, 12.1551, 1.2811 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, 41, 2)` looks like.

```
.text, #text, p{  
    color:rgb(187, 41, 2)  
}
```

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, 41, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 41, 2) }
```

Border

The CSS property to change the border of an element to XYZ 21.2974, 12.1551, 1.2811 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, 41, 2) }
```


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

```
.border{ border-color:rgb(187, 41, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 41, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 41, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 41, 2);  
box-shadow:4px 4px 4px 4px rgb(187, 41, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2974, 12.1551, 1.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 41, 2) }
```

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

```
.background{ background-color: rgb(187, 41,  
2) }
```

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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