

Converting Colors

XYZ(21.4291, 10.9874, 3.7022)

Have a look what the booklet for
XYZ(21.4291, 10.9874, 3.7022)
contains.

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Color

**XYZ(21.4994, 11.0241,
3.6840)**

Conversions

Conversions Part 1

Format	Color
Hex	BD002F
RGB	189, 0, 47
RGB Percent	74%, 0%, 18%
CMY	0.2588, 0.9999, 0.8157
CMYK	0.00, 1.00, 0.75, 0.26
HSL	345°, 100%, 37%
HSV	345°, 100%, 74%
XYZ	21.4994, 11.0241, 3.6840
YIQ	61.8690, 97.5570, 54.6850

Conversions

Conversions Part 2

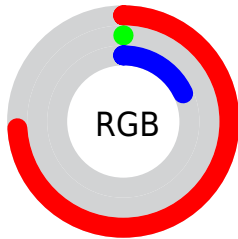
Format	Color
RYB	189, 0, 47
Decimal	12386351
CIELab	39.62, 64.90, 31.21
CIELCh	40, 72.018, 25.683
Yxy	11.0241, 0.5938, 0.3045
Android (android.graphics.Color)	4290576431 (0xFFBD002F)
YUV	61.8690, -7.3304, 111.4939
Hunter-Lab	33.2026, 57.4783, 16.6633

Details

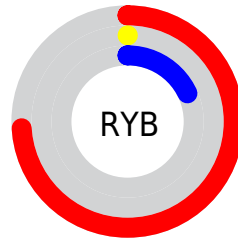
The XYZ color **21.4994, 11.0241, 3.6840** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **23.0832, 38.3493, 31.7912**, and the grayscale version is **4.5631, 4.8007, 5.2280**.

A 20% lighter version of the original color is **45.5011, 27.7075, 13.3058**, and **8.7579, 4.5142, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **21.4987, 11.0238, 3.6811**, and if you desaturate by 10%, it is **22.0657, 11.6215, 5.5237**.

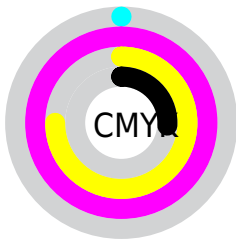
Distribution



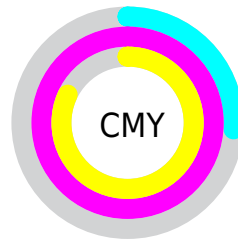
- Red (74%)
- Green (0%)
- Blue (18%)



- Red (74%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4994, 11.0241, 3.6840 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 21.4994, 11.0241, 3.6840 by changing the saturation by 10% instead.


 21.4994, 11.0241,
3.6840


 21.4994, 11.0241,
3.6840


252.6025,
197.8328, 144.6455


 13.6041, 6.0830,
1.4536


 45.4022, 27.7047,
13.2742


 7.9257, 2.8956,
0.1830


 62.1405, 40.2131,
21.4710


 4.0988, 1.0775,
0.0000

 82.5571, 56.0127,
32.4938

 1.7582, 0.0000,
0.0000

 107.0173, 75.4879,
46.7611

 0.4923, 0.0000,
0.0000

 135.8867, 99.0231,
64.6913

 0.0000, 0.0000,
0.0000

 169.5304,

127.0027, 86.7031

208.3139,
159.8112, 113.2150

■ 21.4994, 11.0241,
3.6840

■ 21.4994, 11.0241,
3.6840

■ 21.4987, 11.0238,
3.6811

■ 22.0657, 11.6215,
5.5237

■ 22.9580, 12.7082,
7.9725

■ 24.2651, 14.4506,
11.0960

■ 26.0347, 16.9334,
14.9427

■ 28.3076, 20.2283,
19.5563

■ 31.1198, 24.3986,
24.9767

■ 34.5041, 29.5012,
31.2411

■ 38.4906, 35.5881,
38.3842

■ 43.1072, 42.7077,
46.4386

Harmonies

Analogous

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



22.9959, 11.0241, 14.1564



21.4994, 11.0241, 3.6840



16.7540, 11.0241, 0.6174

Triad

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



21.4994, 11.0241, 3.6840



4.4541, 11.0241, 2.3012



9.7832, 11.0241, 64.2036

Complementary

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



21.4994, 11.0241, 3.6840



23.0832, 38.3493, 31.7912

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.



6.0052, 11.0241, 51.0567



21.4994, 11.0241, 3.6840



3.6011, 11.0241, 10.0805

Square

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



21.4994, 11.0241, 3.6840



6.8954, 11.0241, 0.2384



4.0642, 11.0241, 27.9516



15.1262, 11.0241, 56.5898

Rectangle

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



21.4994, 11.0241, 3.6840



12.9909, 11.0241, 0.0000



4.0642, 11.0241, 27.9516



8.3122, 11.0241, 61.8975

Sweetspot

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



21.4996, 11.0248, 3.6841



61.4694, 52.3393, 55.3559



20.2997, 9.4044, 48.8892



12.6464, 10.3896, 10.8534



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.



21.4996, 11.0248, 3.6841



38.4244, 19.7117, 6.1719



22.0140, 12.8741, 1.3258



9.6248, 9.5742, 10.4133



14.4913, 7.4277, 2.6149



0.5948, 0.3018, 0.2453

Inverse Universe

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



21.4996, 11.0248, 3.6841



38.4244, 19.7117, 6.1719



18.8229, 22.9487, 51.5813



9.6248, 9.5742, 10.4133



14.4913, 7.4277, 2.6149



0.5948, 0.3018, 0.2453

Previews

White Background



This preview shows how the XYZ color 21.4994, 11.0241, 3.6840 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 21.4994, 11.0241, 3.6840

Background



This preview shows how black text looks on a background with the XYZ color 21.4994, 11.0241, 3.6840.



This preview shows how white text looks on a background with the XYZ color 21.4994, 11.0241,

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

21.4994, 11.0241, 3.6840

Protanopia

10.9137, 11.7042, 7.6452

Deuteranopia

11.8053, 11.6026, 3.2864



Tritanopia

21.0383, 11.1837, 1.3976

Trichromacy



Original Color

21.4994, 11.0241, 3.6840

Protanomaly

12.3698, 8.7536, 5.5951

Deuteranomaly

13.5731, 9.1991, 3.0677

Tritanomaly

21.0460, 11.0245, 1.9384

Monochromacy



Original Color

21.4994, 11.0241, 3.6840

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.6484, 4.9346, 4.4203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4994, 11.0241, 3.6840 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, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 47)  
}
```

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, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 21.4994, 11.0241, 3.6840 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, 0, 47) }
```


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

```
.border{ border-color:rgb(189, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4994, 11.0241, 3.6840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 47) }
```

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

```
.background{ background-color: rgb(189, 0,  
47) }
```

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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