

Converting Colors

XYZ(21.1421, 10.7128, 9.4109)

Have a look what the booklet for
XYZ(21.1421, 10.7128, 9.4109)
contains.

XYZ(21.1287, 10.7074, 9.3406)	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(21.1287, 10.7074,
9.3406)**

Conversions

Conversions Part 1

Format	Color
Hex	B70054
RGB	183, 0, 84
RGB Percent	72%, 0%, 33%
CMY	0.2824, 0.9999, 0.6706
CMYK	0.00, 1.00, 0.54, 0.28
HSL	332°, 100%, 36%
HSV	332°, 100%, 72%
XYZ	21.1287, 10.7074, 9.3406
YIQ	64.2930, 82.1040, 64.9200

Conversions

Conversions Part 2

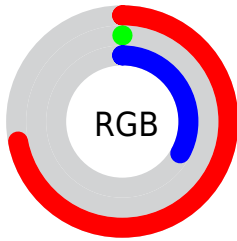
Format	Color
RYB	183, 0, 84
Decimal	11993172
CIELab	39.08, 65.46, 6.76
CIELCh	39, 65.808, 5.900
Yxy	10.7074, 0.5131, 0.2600
Android (android.graphics.Color)	4290183252 (0xFFB70054)
YUV	64.2930, 9.7156, 104.1060
Hunter-Lab	32.7222, 57.9937, 5.9811

Details

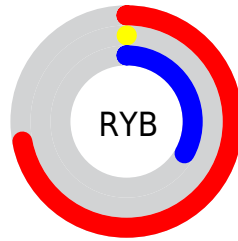
The XYZ color **21.1287, 10.7074, 9.3406** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.1875, 34.7686, 17.5121**, and the grayscale version is **4.8970, 5.1521, 5.6106**.

A 20% lighter version of the original color is **44.9071, 27.1405, 25.0621**, and **8.5514, 4.3642, 2.3991** is the 20% darker color. If you saturate the color by 10%, you get **21.1279, 10.7071, 9.3370**, and if you desaturate by 10%, it is **21.7661, 11.3171, 11.6038**.

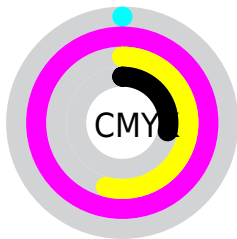
Distribution



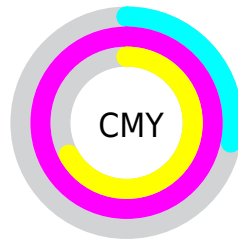
- Red (72%)
- Green (0%)
- Blue (33%)



- Red (72%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1287, 10.7074, 9.3406 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 21.1287, 10.7074, 9.3406 by changing the saturation by 10% instead.


 21.1287, 10.7074,
9.3406


 21.1287, 10.7074,
9.3406


250.6805,
195.6490, 196.2095


 13.3311, 5.8704,
4.8642


 44.7913, 27.1178,
25.1357


 7.7355, 2.7665,
2.1104


 61.3870, 39.4601,
37.2915


 3.9766, 1.0111,
0.6220

 81.6461, 55.0729,
52.8442

 1.6889, 0.0000,
0.0000

 105.9340, 74.3406,
72.2123

 0.4493, 0.0000,
0.0000

 134.6161, 97.6477,
95.8143

 0.0000, 0.0000,
0.0000

 168.0576,

125.3785, 124.0688

206.6239,
157.9175, 157.3944

■ 21.1287, 10.7074,
9.3406

■ 21.1287, 10.7074,
9.3406

■ 21.1279, 10.7071,
9.3370

■ 21.7661, 11.3171,
11.6038

■ 22.6673, 12.3631,
14.2361

■ 23.9119, 14.0014,
17.2740

■ 25.5395, 16.3082,
20.7404

■ 27.5840, 19.3483,
24.6557

■ 30.0753, 23.1785,
29.0387

■ 33.0404, 27.8503,
33.9065

■ 36.5040, 33.4105,
39.2758

■ 40.4892, 39.9026,
45.1617

Harmonies

Analogous

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



20.0211, 10.7074, 24.6190



21.1287, 10.7074, 9.3406



18.6863, 10.7074, 2.4396

Triad

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



21.1287, 10.7074, 9.3406



5.9777, 10.7074, 0.9843



7.0979, 10.7074, 50.7257

Complementary

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



21.1287, 10.7074, 9.3406



19.1875, 34.7686, 17.5121

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.



4.7460, 10.7074, 32.4258



21.1287, 10.7074, 9.3406



4.2419, 10.7074, 4.2983

Square

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



21.1287, 10.7074, 9.3406



9.3318, 10.7074, 0.1346



3.8670, 10.7074, 14.3313



11.0719, 10.7074, 56.1998

Rectangle

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



21.1287, 10.7074, 9.3406



15.6969, 10.7074, 0.9013



3.8670, 10.7074, 14.3313



6.1317, 10.7074, 45.4446

Sweetspot

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



21.1290, 10.7080, 9.3408



58.8811, 49.4121, 60.2572



13.5431, 5.9949, 45.2430



12.4928, 10.1026, 12.4801



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.1290, 10.7080, 9.3408



37.7265, 19.1309, 16.1252



19.5951, 10.2004, 0.9370



9.1714, 9.0789, 10.2501



14.7731, 7.4830, 6.6920



0.5521, 0.2763, 0.4007

Inverse Universe

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



21.1290, 10.7080, 9.3408



37.7265, 19.1309, 16.1252



24.2502, 34.8242, 50.2433



9.1714, 9.0789, 10.2501



14.7731, 7.4830, 6.6920



0.5521, 0.2763, 0.4007

Previews

White Background



This preview shows how the XYZ color 21.1287, 10.7074, 9.3406 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 21.1287, 10.7074, 9.3406

Background



This preview shows how black text looks on a background with the XYZ color 21.1287, 10.7074, 9.3406.



This preview shows how white text looks on a background with the XYZ color 21.1287, 10.7074,

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

21.1287, 10.7074, 9.3406

Protanopia

11.4460, 11.4368, 20.0166

Deuteranopia

11.4760, 11.3190, 8.4174



Tritanopia

19.8744, 11.0213, 2.5187

Trichromacy



Original Color

21.1287, 10.7074, 9.3406

Protanomaly

12.3487, 8.4520, 15.1679

Deuteranomaly

13.2409, 8.9090, 8.4189

Tritanomaly

20.1794, 10.7293, 4.2562

Monochromacy



Original Color

21.1287, 10.7074, 9.3406

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.9937, 5.1666, 6.5372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1287, 10.7074, 9.3406 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(183, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 84)  
}
```

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(183, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 21.1287, 10.7074, 9.3406 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(183, 0, 84) }
```


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

```
.border{ border-color:rgb(183, 0, 84) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(183, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1287, 10.7074, 9.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 84) }
```

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

```
.background{ background-color: rgb(183, 0,  
84) }
```

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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