

Converting Colors

XYZ(21.5000, 10.9674, 6.2581)

Have a look what the booklet for
XYZ(21.5000, 10.9674, 6.2581)
contains.

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Color

**XYZ(21.5066, 10.9700,
6.2941)**

Conversions

Conversions Part 1

Format	Color
Hex	BB0043
RGB	187, 0, 67
RGB Percent	73%, 0%, 26%
CMY	0.2667, 0.9999, 0.7373
CMYK	0.00, 1.00, 0.64, 0.27
HSL	339°, 100%, 37%
HSV	339°, 100%, 73%
XYZ	21.5066, 10.9700, 6.2941
YIQ	63.5510, 89.9450, 60.4810

Conversions

Conversions Part 2

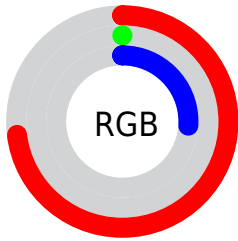
Format	Color
R_{YB}	187, 0, 67
Decimal	12255299
CIE Lab	39.53, 65.33, 18.41
CIE LCh	40, 67.874, 15.738
Yxy	10.9700, 0.5547, 0.2829
Android (android.graphics.Color)	4290445379 (0xFFBB0043)
YUV	63.5510, 1.7004, 108.2648
Hunter-Lab	33.1210, 57.9445, 11.9176

Details

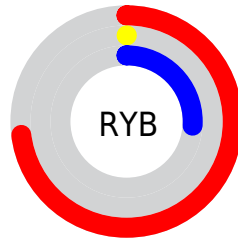
The XYZ color **21.5066, 10.9700, 6.2941** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **21.1627, 36.8975, 23.7859**, and the grayscale version is **4.7969, 5.0467, 5.4959**.

A 20% lighter version of the original color is **45.6121, 27.7483, 19.1716**, and **8.7797, 4.5058, 1.3267** is the 20% darker color. If you saturate the color by 10%, you get **21.5059, 10.9697, 6.2908**, and if you desaturate by 10%, it is **22.1331, 11.5860, 8.4674**.

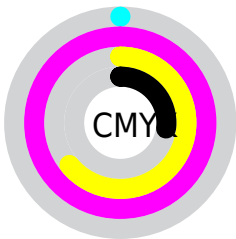
Distribution



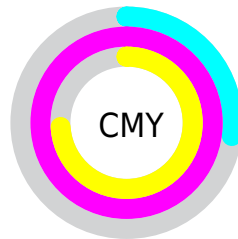
- Red (73%)
- Green (0%)
- Blue (26%)



- Red (73%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5066, 10.9700, 6.2941 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 21.5066, 10.9700, 6.2941 by changing the saturation by 10% instead.


 21.5066, 10.9700,
6.2941


 21.5066, 10.9700,
6.2941


252.6398,
197.4616, 171.0641


 13.6094, 6.0467,
2.9531


 45.4141, 27.6047,
19.0264


 7.9294, 2.8735,
1.0707


 62.1551, 40.0848,
29.2548


 4.1012, 1.0660,
0.0000

 82.5747, 55.8527,
42.6161

 1.7596, 0.0000,
0.0000

 107.0383, 75.2926,
59.5287

 0.4931, 0.0000,
0.0000

 135.9113, 98.7891,
80.4113

 0.0000, 0.0000,
0.0000

 169.5589,

126.7265, 105.6824

208.3466,
159.4892, 135.7605

■ 21.5066, 10.9700,
6.2941

■ 21.5066, 10.9700,
6.2941

■ 21.5059, 10.9697,
6.2908

■ 22.1331, 11.5860,
8.4674

■ 23.0570, 12.6703,
11.1289

■ 24.3625, 14.3853,
14.3262

■ 26.0931, 16.8122,
18.0920

■ 28.2860, 20.0198,
22.4556

■ 30.9743, 24.0688,
27.4440

■ 34.1876, 29.0139,
33.0826

■ 37.9534, 34.9051,
39.3950

■ 42.2970, 41.7886,
46.4036

Harmonies

Analogous

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



21.6026, 10.9700, 19.3595



21.5066, 10.9700, 6.2941



17.9236, 10.9700, 1.4251

Triad

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



21.5066, 10.9700, 6.2941



5.2770, 10.9700, 1.5402



8.3905, 10.9700, 57.3557

Complementary

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



21.5066, 10.9700, 6.2941



21.1627, 36.8975, 23.7859

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.



5.3802, 10.9700, 40.9371



21.5066, 10.9700, 6.2941



3.9761, 10.9700, 6.7155

Square

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



21.5066, 10.9700, 6.2941



8.2010, 10.9700, 0.1975



4.0073, 10.9700, 20.2447



13.0224, 10.9700, 56.8750

Rectangle

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



21.5066, 10.9700, 6.2941



14.5127, 10.9700, 0.4388



4.0073, 10.9700, 20.2447



7.1900, 10.9700, 53.2976

Sweetspot

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



21.5069, 10.9707, 6.2943



60.9180, 51.4795, 58.7154



16.5017, 7.4713, 47.5858



12.8568, 10.4738, 11.9617



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.



21.5069, 10.9707, 6.2943



38.4147, 19.6059, 10.7271



20.8404, 11.2584, 1.0756



9.6676, 9.5913, 10.6384



14.8495, 7.5710, 4.5011



0.6133, 0.3092, 0.3428

Inverse Universe

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



21.5069, 10.9707, 6.2943



38.4147, 19.6059, 10.7271



21.9027, 29.4536, 51.5441



9.6676, 9.5913, 10.6384



14.8495, 7.5710, 4.5011



0.6133, 0.3092, 0.3428

Previews

White Background



This preview shows how the XYZ color 21.5066, 10.9700, 6.2941 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

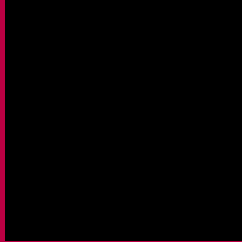
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5066, 10.9700, 6.2941

Background



This preview shows how black text looks on a background with the XYZ color 21.5066, 10.9700, 6.2941.



This preview shows how white text looks on a background with the XYZ color 21.5066, 10.9700,

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

21.5066, 10.9700, 6.2941

Protanopia

11.2266, 11.6076, 13.2041

Deuteranopia

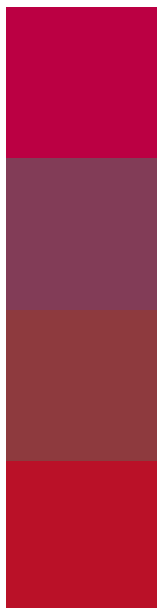
11.7330, 11.5109, 5.7411



Tritanopia

20.8065, 11.2889, 1.9465

Trichromacy



Original Color

21.5066, 10.9700, 6.2941

Protanomaly

12.5421, 8.6657, 10.0284

Deuteranomaly

13.5379, 9.1247, 5.6051

Tritanomaly

20.8332, 10.9932, 3.0314

Monochromacy



Original Color

21.5066, 10.9700, 6.2941

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.0537, 5.2187, 5.5839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5066, 10.9700, 6.2941 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, 0, 67)` looks like.

```
.text, #text, p{  
  color:rgb(187, 0, 67)  
}
```

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, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 67) }
```

Border

The CSS property to change the border of an element to XYZ 21.5066, 10.9700, 6.2941 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, 0, 67) }
```


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

```
.border{ border-color:rgb(187, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5066, 10.9700, 6.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 67) }
```

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

```
.background{ background-color: rgb(187, 0,  
67) }
```

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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