

Converting Colors

XYZ(21.1306, 10.9981, 13.5795)

Have a look what the booklet for
XYZ(21.1306, 10.9981, 13.5795)
contains.

XYZ(21.0085, 10.9246, 13.5718)	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(21.0085, 10.9246,
13.5718)**

Conversions

Conversions Part 1

Format	Color
Hex	B21466
RGB	178, 20, 102
RGB Percent	70%, 8%, 40%
CMY	0.3020, 0.9215, 0.6000
CMYK	0.00, 0.89, 0.43, 0.30
HSL	329°, 80%, 39%
HSV	329°, 89%, 70%
XYZ	21.0085, 10.9246, 13.5718
YIQ	76.5900, 67.8460, 58.9980

Conversions

Conversions Part 2

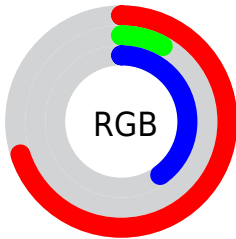
Format	Color
R_{YB}	178, 20, 102
Decimal	11670630
CIE _{Lab}	39.45, 63.29, -4.30
CIE _{LCh}	39, 63.435, 356.116
Yxy	10.9246, 0.4617, 0.2401
Android (android.graphics.Color)	4289860710 (0xFFB21466)
YUV	76.5900, 12.5271, 88.9366
Hunter-Lab	33.0524, 55.6151, -1.2087

Details

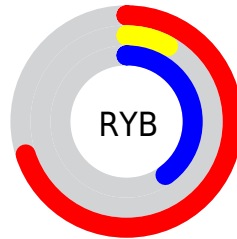
The XYZ color **21.0085, 10.9246, 13.5718** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **18.3213, 32.8344, 16.4427**, and the grayscale version is **6.9486, 7.3105, 7.9611**.

A 20% lighter version of the original color is **44.4994, 27.4565, 33.0912**, and **8.2973, 4.1978, 3.9874** is the 20% darker color. If you saturate the color by 10%, you get **20.3793, 10.3112, 11.3740**, and if you desaturate by 10%, it is **21.8926, 11.9777, 16.0712**.

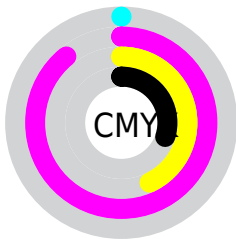
Distribution



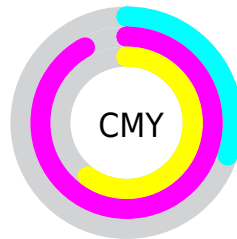
- Red (70%)
- Green (8%)
- Blue (40%)



- Red (70%)
- Yellow (8%)
- Blue (40%)



- Cyan (0%)
- Magenta (89%)
- Yellow (43%)
- Black (30%)





- Cyan (30%)
- Magenta (92%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0085, 10.9246, 13.5718 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 21.0085, 10.9246, 13.5718 by changing the saturation by 10% instead.


 21.0085, 10.9246,
13.5718


 21.0085, 10.9246,
13.5718


250.0545,
197.1495, 225.8855


 13.2427, 6.0162,
7.6881


 44.5928, 27.5207,
33.0334


 7.6740, 2.8549,
3.8111


 61.1421, 39.9771,
47.4484


 3.9371, 1.0565,
1.5223

 81.3499, 55.7182,
65.5443

 1.6666, 0.0000,
0.2345

 105.5816, 75.1286,
87.7396

 0.4352, 0.0000,
0.0000

 134.2026, 98.5925,
114.4528

 0.0000, 0.0000,
0.0000

 167.5782,

126.4943, 146.1025

206.0737,
159.2186, 183.1072

■ 21.0085, 10.9246,
13.5718

■ 21.0085, 10.9246,
13.5718

■ 20.3793, 10.3112,
11.3740

■ 21.8926, 11.9777,
16.0712

■ 20.3080, 10.2441,
11.1172

■ 23.0931, 13.5914,
18.8988

■ 24.6460, 15.8356,
22.0726

■ 26.5817, 18.7693,
25.6085

■ 28.9272, 22.4448,
29.5211

■ 31.7070, 26.9092,
33.8239

■ 34.9436, 32.2058,
38.5296

■ 38.6577, 38.3746,
43.6503

■ 42.8689, 45.4531,
49.1972

Harmonies

Analogous

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



18.8699, 10.9246, 30.5796



21.0085, 10.9246, 13.5718



19.7161, 10.9246, 4.2203

Triad

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



21.0085, 10.9246, 13.5718



7.1529, 10.9246, 0.7735



6.4228, 10.9246, 44.3650

Complementary

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



21.0085, 10.9246, 13.5718



18.3213, 32.8344, 16.4427

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.



4.5888, 10.9246, 25.6577



21.0085, 10.9246, 13.5718



4.9214, 10.9246, 2.9757

Square

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



21.0085, 10.9246, 13.5718



10.9536, 10.9246, 0.3309



4.1265, 10.9246, 10.3624



9.8336, 10.9246, 54.6048

Rectangle

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



21.0085, 10.9246, 13.5718



17.2332, 10.9246, 1.6899



4.1265, 10.9246, 10.3624



5.6424, 10.9246, 38.4214

Sweetspot

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



21.0088, 10.9252, 13.5720



58.2068, 49.9479, 62.3941



12.8761, 6.0814, 42.6145



12.4917, 10.4110, 13.2165



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.0088, 10.9252, 13.5720



36.7106, 18.5304, 19.5447



18.7891, 10.0373, 1.8830



8.6743, 8.5765, 9.7835



14.5626, 7.3426, 8.1228



0.4875, 0.2427, 0.4099

Inverse Universe

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



21.0088, 10.9252, 13.5720



36.7106, 18.5304, 19.5447



23.7263, 34.9964, 44.9047



8.6743, 8.5765, 9.7835



14.5626, 7.3426, 8.1228



0.4875, 0.2427, 0.4099

Previews

White Background



This preview shows how the XYZ color 21.0085, 10.9246, 13.5718 looks on a white background.

Color Contrast Check

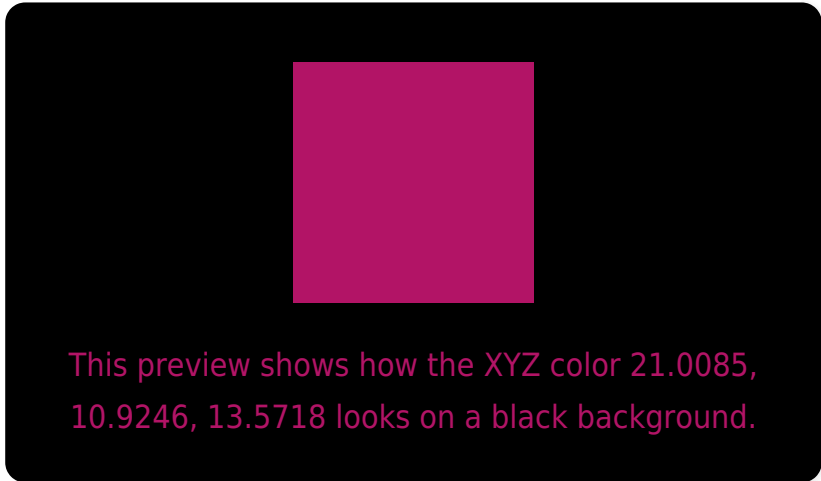
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0085, 10.9246, 13.5718

Background



This preview shows how black text looks on a background with the XYZ color 21.0085, 10.9246, 13.5718.



This preview shows how white text looks on a background with the XYZ color 21.0085, 10.9246,

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

21.0085, 10.9246, 13.5718

Protanopia

12.0090, 11.4201, 27.9569

Deuteranopia

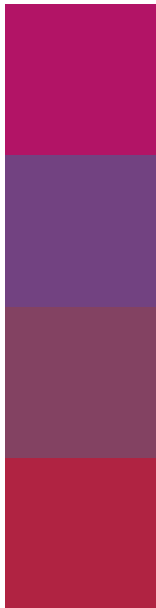
11.6016, 11.4236, 12.4200



Tritanopia

19.0535, 11.1048, 3.6218

Trichromacy



Original Color

21.0085, 10.9246, 13.5718

Protanomaly

12.8501, 9.0588, 21.8401

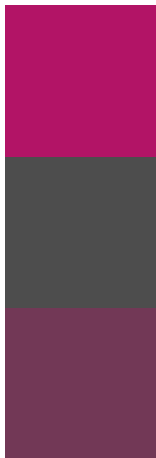
Deuteranomaly

13.5129, 9.6036, 12.6967

Tritanomaly

19.4889, 10.8255, 6.2166

Monochromacy



Original Color

21.0085, 10.9246, 13.5718

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

10.0333, 7.0776, 9.6414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0085, 10.9246, 13.5718 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(178, 20, 102)` looks like.

```
.text, #text, p{  
    color:rgb(178, 20, 102)  
}
```

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(178, 20, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 20, 102) }
```

Border

The CSS property to change the border of an element to XYZ 21.0085, 10.9246, 13.5718 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(178, 20, 102) }
```


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

```
.border{ border-color:rgb(178, 20, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 20, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 20, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 20, 102);  
box-shadow:4px 4px 4px 4px rgb(178, 20,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0085, 10.9246, 13.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 20, 102) }
```

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

```
.background{ background-color: rgb(178, 20,  
102) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor