

Converting Colors

XYZ(21.1756, 10.6729, 11.9920)

Have a look what the booklet for
XYZ(21.1756, 10.6729, 11.9920)
contains.

XYZ(21.1674, 10.6683, 12.0099)	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(21.1674, 10.6683,
12.0099)**

Conversions

Conversions Part 1

Format	Color
Hex	B50060
RGB	181, 0, 96
RGB Percent	71%, 0%, 38%
CMY	0.2902, 0.9999, 0.6235
CMYK	0.00, 1.00, 0.47, 0.29
HSL	328°, 100%, 35%
HSV	328°, 100%, 71%
XYZ	21.1674, 10.6683, 12.0099
YIQ	65.0630, 77.0600, 68.2280

Conversions

Conversions Part 2

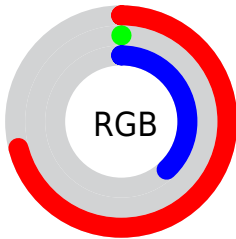
Format	Color
R_{YB}	181, 0, 96
Decimal	11862112
CIE Lab	39.02, 65.93, -1.06
CIE LCh	39, 65.943, 359.079
Yxy	10.6683, 0.4828, 0.2433
Android (android.graphics.Color)	4290052192 (0xFFB50060)
YUV	65.0630, 15.2519, 101.6767
Hunter-Lab	32.6624, 58.5208, 1.0628

Details

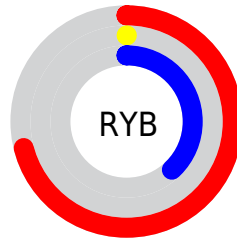
The XYZ color **21.1674, 10.6683, 12.0099** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **18.1651, 33.7042, 14.1487**, and the grayscale version is **5.0058, 5.2665, 5.7352**.

A 20% lighter version of the original color is **44.8235, 26.9872, 30.0407**, and **8.6018, 4.3679, 3.4073** is the 20% darker color. If you saturate the color by 10%, you get **21.1667, 10.6680, 12.0065**, and if you desaturate by 10%, it is **21.7987, 11.2703, 14.2572**.

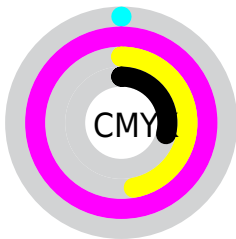
Distribution



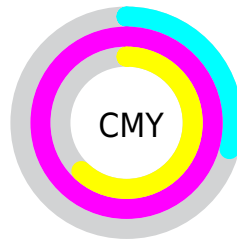
- Red (71%)
- Green (0%)
- Blue (38%)



- Red (71%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1674, 10.6683, 12.0099 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 21.1674, 10.6683, 12.0099 by changing the saturation by 10% instead.

■ 21.1674, 10.6683,
12.0099

■ 21.1674, 10.6683,
12.0099

250.8817,
195.3775, 215.4511

■ 13.3596, 5.8443,
6.6278

■ 44.8551, 27.0451,
30.1778

■ 7.7553, 2.7506,
3.1555

■ 61.4658, 39.3667,
43.8007

■ 3.9893, 1.0030,
1.1746

■ 81.7414, 54.9563,
61.0076

■ 1.6961, 0.0000,
0.0000

■ 106.0474, 74.1982,
82.2170

■ 0.4538, 0.0000,
0.0000

■ 134.7490, 97.4769,
107.8475

■ 0.0000, 0.0000,
0.0000

■ 168.2117,

125.1768, 138.3177

206.8008,
157.6822, 174.0460

■ 21.1674, 10.6683,
12.0099

■ 21.1674, 10.6683,
12.0099

■ 21.1667, 10.6680,
12.0065

■ 21.7987, 11.2703,
14.2572

■ 22.6747, 12.2918,
16.8012

■ 23.8728, 13.8858,
19.6738

■ 25.4309, 16.1261,
22.8934

■ 27.3813, 19.0755,
26.4765

■ 29.7524, 22.7891,
30.4379

■ 32.5699, 27.3166,
34.7914

■ 35.8573, 32.7034,
39.5498

■ 39.6365, 38.9916,
44.7254

Harmonies

Analogous

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



19.2654, 10.6683, 29.0414



21.1674, 10.6683, 12.0099



19.4749, 10.6683, 3.3720

Triad

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



21.1674, 10.6683, 12.0099



6.5593, 10.6683, 0.6738



6.3847, 10.6683, 47.2573

Complementary

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



21.1674, 10.6683, 12.0099



18.1651, 33.7042, 14.1487

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.



4.3982, 10.6683, 27.8161



21.1674, 10.6683, 12.0099



4.4766, 10.6683, 3.0847

Square

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



21.1674, 10.6683, 12.0099



10.2765, 10.6683, 0.0933



3.8157, 10.6683, 11.2307



10.0045, 10.6683, 56.5773

Rectangle

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



21.1674, 10.6683, 12.0099



16.7513, 10.6683, 1.2426



3.8157, 10.6683, 11.2307



5.5470, 10.6683, 41.2207

Sweetspot

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



21.1677, 10.6689, 12.0101



58.0505, 48.4666, 61.8894



12.0403, 5.2440, 44.0936



12.0769, 9.7164, 12.6624



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.



21.1677, 10.6689, 12.0101



37.7932, 19.0598, 20.8923



19.0896, 9.8377, 1.0668



8.6784, 8.5781, 9.8048



14.6272, 7.3685, 8.4630



0.4894, 0.2435, 0.4199

Inverse Universe

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



21.1677, 10.6689, 12.0101



37.7932, 19.0598, 20.8923



24.2589, 36.1418, 46.2382



8.6784, 8.5781, 9.8048



14.6272, 7.3685, 8.4630



0.4894, 0.2435, 0.4199

Previews

White Background



This preview shows how the XYZ color 21.1674, 10.6683, 12.0099 looks on a white background.

Color Contrast Check

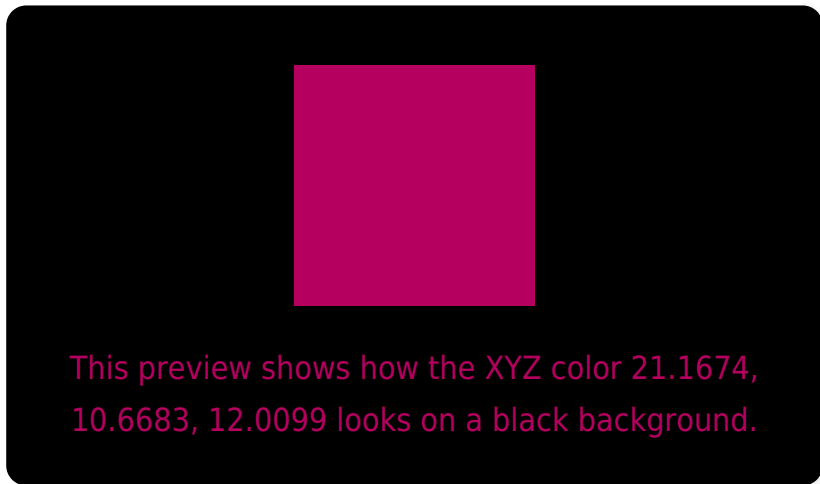
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1674, 10.6683, 12.0099

Background



This preview shows how black text looks on a background with the XYZ color 21.1674, 10.6683, 12.0099.



This preview shows how white text looks on a background with the XYZ color 21.1674, 10.6683,

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

21.1674, 10.6683, 12.0099

Protanopia

11.8101, 11.3692, 25.6168

Deuteranopia

11.4464, 11.2509, 10.8009



Tritanopia

19.4031, 10.9911, 2.9326

Trichromacy



Original Color

21.1674, 10.6683, 12.0099



Protanomaly

12.4752, 8.3399, 19.6911



Deuteranomaly

13.0742, 8.7680, 10.9008



Tritanomaly

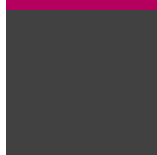
19.7065, 10.5527, 5.1359

Monochromacy



Original Color

21.1674, 10.6683, 12.0099



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.1608, 5.2335, 7.4175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1674, 10.6683, 12.0099 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(181, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 96)  
}
```

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(181, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 21.1674, 10.6683, 12.0099 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(181, 0, 96) }
```


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

```
.border{ border-color:rgb(181, 0, 96) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1674, 10.6683, 12.0099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 96) }
```

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

```
.background{ background-color: rgb(181, 0,  
96) }
```

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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