

Converting Colors

XYZ(21.0901, 10.3724, 23.5764)

Have a look what the booklet for
XYZ(21.0901, 10.3724, 23.5764)
contains.

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Color

**XYZ(21.0977, 10.3792,
23.4457)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0086
RGB	171, 0, 134
RGB Percent	67%, 0%, 53%
CMY	0.3294, 0.9999, 0.4745
CMYK	0.00, 1.00, 0.22, 0.33
HSL	313°, 100%, 34%
HSV	313°, 100%, 67%
XYZ	21.0977, 10.3792, 23.4457
YIQ	66.4050, 58.9020, 77.9260

Conversions

Conversions Part 2

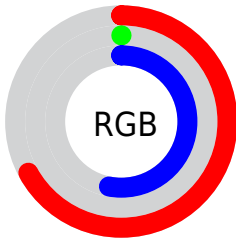
Format	Color
RYB	171, 0, 134
Decimal	11206790
CIELab	38.51, 67.76, -25.89
CIELCh	39, 72.538, 339.093
Yxy	10.3792, 0.3841, 0.1890
Android (android.graphics.Color)	4289396870 (0xFFAB0086)
YUV	66.4050, 33.3243, 91.7298
Hunter-Lab	32.2168, 60.5144, -20.5965

Details

The XYZ color **21.0977, 10.3792, 23.4457** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **14.8976, 29.2599, 6.6148**, and the grayscale version is **5.1868, 5.4569, 5.9426**.

A 20% lighter version of the original color is **44.7275, 26.4884, 50.3323**, and **8.5397, 4.2175, 8.7515** is the 20% darker color. If you saturate the color by 10%, you get **21.0974, 10.3791, 23.4439**, and if you desaturate by 10%, it is **21.5629, 10.8891, 24.8967**.

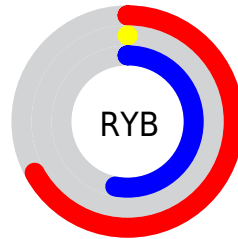
Distribution



Red (67%)

Green (0%)

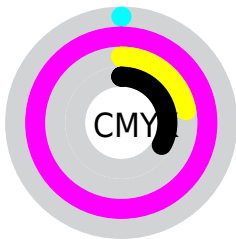
Blue (53%)



Red (67%)

Yellow (0%)

Blue (53%)

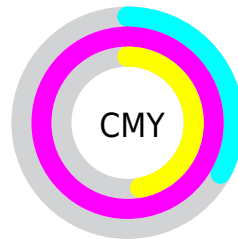


Cyan (0%)

Magenta (100%)

Yellow (22%)

Black (33%)



Cyan (33%)


Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0977, 10.3792, 23.4457 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 21.0977, 10.3792, 23.4457 by changing the saturation by 10% instead.


 21.0977, 10.3792,
23.4457


 21.0977, 10.3792,
23.4457

250.5192,
193.3575, 283.2018


 13.3083, 5.6511,
14.7146


 44.7401, 26.5063,
50.0566


 7.7196, 2.6341,
8.4749

 61.3239, 38.6742,
68.7734


 3.9664, 0.9438,
4.3082

 81.5698, 54.0907,
91.6559

 1.6831, 0.0000,
1.7959

 105.8432, 73.1403,
119.1225

 0.4457, 0.0000,
0.4253

 134.5095, 96.2074,
151.5919

 0.0000, 0.0000,
0.0000

 167.9340,

123.6763, 189.4825

206.4821,
155.9316, 233.2130

■ 21.0977, 10.3792,
23.4457

■ 21.0977, 10.3792,
23.4457

■ 21.0974, 10.3791,
23.4439

■ 21.5629, 10.8891,
24.8967

■ 22.2108, 11.7500,
26.4535

■ 23.1114, 13.1016,
28.1401

■ 24.2966, 15.0074,
29.9673

■ 25.7934, 17.5214,
31.9447

■ 27.6257, 20.6912,
34.0807

■ 29.8149, 24.5595,
36.3828

■ 32.3806, 29.1656,
38.8579

■ 35.3412, 34.5457,
41.5126

Harmonies

Analogous

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



16.8206, 10.3792, 46.2011



21.0977, 10.3792, 23.4457



21.9159, 10.3792, 7.6498

Triad

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



21.0977, 10.3792, 23.4457



8.4905, 10.3792, 0.0000



4.3375, 10.3792, 37.1331

Complementary

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



21.0977, 10.3792, 23.4457



14.8976, 29.2599, 6.6148

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.



3.3142, 10.3792, 15.9614



21.0977, 10.3792, 23.4457



5.1527, 10.3792, 0.7065

Square

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



21.0977, 10.3792, 23.4457



13.4977, 10.3792, 0.0000



3.5550, 10.3792, 4.2995



6.9509, 10.3792, 57.6010

Rectangle

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



21.0977, 10.3792, 23.4457



20.1959, 10.3792, 2.7557



3.5550, 10.3792, 4.2995



3.8416, 10.3792, 29.3952

Sweetspot

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



21.0981, 10.3797, 23.4459



53.1660, 43.5738, 64.9269



8.0179, 3.2846, 38.7397



11.4838, 9.0563, 14.0959



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.0981, 10.3797, 23.4459



37.7027, 18.5557, 41.5574



17.3995, 8.9003, 3.9696



8.2617, 8.1179, 9.6891



15.9242, 7.8322, 17.7783



0.4613, 0.2252, 0.5907

Inverse Universe

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



21.0981, 10.3797, 23.4459



37.7027, 18.5557, 41.5574



17.9357, 30.4751, 22.6134



8.2617, 8.1179, 9.6891



15.9242, 7.8322, 17.7783



0.4613, 0.2252, 0.5907

Previews

White Background



This preview shows how the XYZ color 21.0977, 10.3792, 23.4457 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

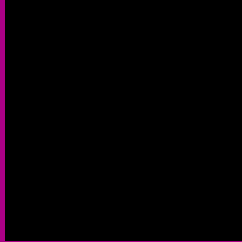
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0977, 10.3792, 23.4457

Background



This preview shows how black text looks on a background with the XYZ color 21.0977, 10.3792, 23.4457.



This preview shows how white text looks on a background with the XYZ color 21.0977, 10.3792,

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

21.0977, 10.3792, 23.4457

Protanopia

13.1816, 11.1492, 50.1725

Deuteranopia

11.2492, 11.0455, 21.2778



Tritanopia

17.5040, 10.8311, 4.9094

Trichromacy



Original Color

21.0977, 10.3792, 23.4457

Protanomaly

11.4665, 7.2450, 38.8243

Deuteranomaly

12.7289, 8.4259, 21.7244

Tritanomaly

18.1086, 9.9996, 9.3632

Monochromacy



Original Color

21.0977, 10.3792, 23.4457

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.4252, 5.3543, 10.4870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0977, 10.3792, 23.4457 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(171, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 134)  
}
```

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(171, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 134) }
```

Border

The CSS property to change the border of an element to XYZ 21.0977, 10.3792, 23.4457 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(171, 0, 134) }
```


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

```
.border{ border-color:rgb(171, 0, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0977, 10.3792, 23.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 134) }
```

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

```
.background{ background-color: rgb(171, 0,  
134) }
```

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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