

Converting Colors

XYZ(21.2910, 10.4527, 24.6340)

Have a look what the booklet for
XYZ(21.2910, 10.4527, 24.6340)
contains.

XYZ(21.3099, 10.4641, 24.5635)	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(21.3099, 10.4641,
24.5635)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0089
RGB	171, 0, 137
RGB Percent	67%, 0%, 54%
CMY	0.3294, 0.9999, 0.4627
CMYK	0.00, 1.00, 0.20, 0.33
HSL	312°, 100%, 34%
HSV	312°, 100%, 67%
XYZ	21.3099, 10.4641, 24.5635
YIQ	66.7470, 57.9390, 78.8590

Conversions

Conversions Part 2

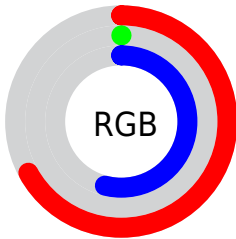
Format	Color
R_{YB}	171, 0, 137
Decimal	11206793
CIE _{Lab}	38.66, 68.14, -27.51
CIE _{LCh}	39, 73.478, 338.017
Yxy	10.4641, 0.3783, 0.1857
Android (android.graphics.Color)	4289396873 (0xFFAB0089)
YUV	66.7470, 34.6347, 91.4299
Hunter-Lab	32.3483, 60.9801, -22.3778

Details

The XYZ color **21.3099, 10.4641, 24.5635** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **14.8524, 29.2417, 6.3767**, and the grayscale version is **5.2384, 5.5112, 6.0017**.

A 20% lighter version of the original color is **45.0544, 26.6192, 52.0536**, and **8.6597, 4.2655, 9.3837** is the 20% darker color. If you saturate the color by 10%, you get **21.3096, 10.4639, 24.5617**, and if you desaturate by 10%, it is **21.7603, 10.9680, 25.9363**.

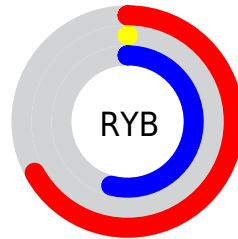
Distribution



Red (67%)

Green (0%)

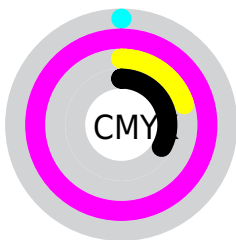
Blue (54%)



Red (67%)

Yellow (0%)

Blue (54%)

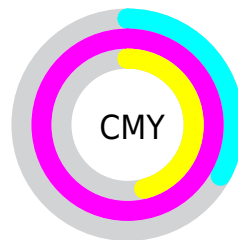


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (33%)



Cyan (33%)


Magenta (100%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3099, 10.4641, 24.5635 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 21.3099, 10.4641, 24.5635 by changing the saturation by 10% instead.


 21.3099, 10.4641,
24.5635


 21.3099, 10.4641,
24.5635


251.6215,
193.9531, 289.0349


 13.4645, 5.7077,
15.5361


 45.0901, 26.6648,
51.9035


 7.8283, 2.6682,
9.0457


 61.7556, 38.8780,
71.0532


 4.0362, 0.9611,
4.6738

 82.0919, 54.3456,
94.4141

 1.7226, 0.0000,
2.0018

 106.4642, 73.4519,
122.4046

 0.4704, 0.0000,
0.5564

 135.2380, 96.5815,
155.4435

 0.0000, 0.0000,
0.0000

 168.7786,

124.1186, 193.9491

207.4513,
156.4477, 238.3400

■ 21.3099, 10.4641,
24.5635

■ 21.3099, 10.4641,
24.5635

■ 21.3096, 10.4639,
24.5617

■ 21.7603, 10.9680,
25.9363

■ 22.3920, 11.8225,
27.4077

■ 23.2750, 13.1671,
29.0016

■ 24.4412, 15.0653,
30.7288

■ 25.9176, 17.5712,
32.5986

■ 27.7280, 20.7323,
34.6194

■ 29.8939, 24.5913,
36.7986

■ 32.4348, 29.1875,
39.1430

■ 35.3691, 34.5571,
41.6591

Harmonies

Analogous

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



16.8479, 10.4641, 47.9235



21.3099, 10.4641, 24.5635



22.2980, 10.4641, 8.0665

Triad

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



21.3099, 10.4641, 24.5635



8.7037, 10.4641, 0.0000



4.2687, 10.4641, 36.9487

Complementary

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



21.3099, 10.4641, 24.5635



14.8524, 29.2417, 6.3767

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.



3.2843, 10.4641, 15.5290



21.3099, 10.4641, 24.5635



5.2452, 10.4641, 0.6133

Square

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



21.3099, 10.4641, 24.5635



13.8514, 10.4641, 0.0000



3.5721, 10.4641, 4.0462



6.8535, 10.4641, 58.2748

Rectangle

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



21.3099, 10.4641, 24.5635



20.6293, 10.4641, 2.9005



3.5721, 10.4641, 4.0462



3.7853, 10.4641, 29.0552

Sweetspot

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



21.3103, 10.4646, 24.5637



53.3098, 43.6313, 65.6839



7.9273, 3.2379, 38.7353



11.5198, 9.0707, 14.2851



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.



21.3103, 10.4646, 24.5637



38.0874, 18.7096, 43.5829



17.4647, 8.9264, 4.3132



8.2678, 8.1204, 9.7209



16.0832, 7.8958, 18.6153



0.4646, 0.2265, 0.6082

Inverse Universe

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



21.3103, 10.4646, 24.5637



38.0874, 18.7096, 43.5829



17.7658, 30.4071, 21.7187



8.2678, 8.1204, 9.7209



16.0832, 7.8958, 18.6153



0.4646, 0.2265, 0.6082

Previews

White Background



This preview shows how the XYZ color 21.3099, 10.4641, 24.5635 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



This preview shows how the XYZ color 21.3099, 10.4641, 24.5635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

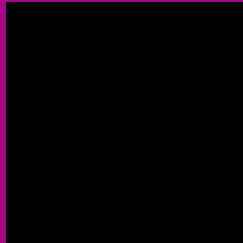
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3099, 10.4641, 24.5635

Background



This preview shows how black text looks on a background with the XYZ color 21.3099, 10.4641, 24.5635.



This preview shows how white text looks on a background with the XYZ color 21.3099, 10.4641,

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

21.3099, 10.4641, 24.5635

Protanopia

13.1706, 11.1181, 51.3210

Deuteranopia

11.2907, 11.0518, 21.9602



Tritanopia

17.3675, 10.8263, 5.0452

Trichromacy



Original Color

21.3099, 10.4641, 24.5635



Protanomaly

10.8961, 6.9289, 39.7929



Deuteranomaly

12.7309, 8.4115, 22.4253



Tritanomaly

18.1881, 10.0314, 9.7817

Monochromacy



Original Color

21.3099, 10.4641, 24.5635



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.6213, 5.5037, 10.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3099, 10.4641, 24.5635 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 137) }
```

Border

The CSS property to change the border of an element to XYZ 21.3099, 10.4641, 24.5635 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, 137) }
```


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

```
.border{ border-color:rgb(171, 0, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 0, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 0, 137); box-shadow:4px 4px 4px 4px rgb(171, 0, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3099, 10.4641, 24.5635 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, 137) }
```

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

```
.background{ background-color: rgb(171, 0,  
137) }
```

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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