

Converting Colors

XYZ(21.0585, 13.1151, 24.1564)

Have a look what the booklet for
XYZ(21.0585, 13.1151, 24.1564)
contains.

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Color

**XYZ(21.0368, 13.0694,
23.9681)**

Conversions

Conversions Part 1

Format	Color
Hex	A24086
RGB	162, 64, 134
RGB Percent	64%, 25%, 53%
CMY	0.3647, 0.7490, 0.4745
CMYK	0.00, 0.60, 0.17, 0.36
HSL	317°, 43%, 44%
HSV	317°, 60%, 64%
XYZ	21.0368, 13.0694, 23.9681
YIQ	101.2820, 35.9380, 42.5460

Conversions

Conversions Part 2

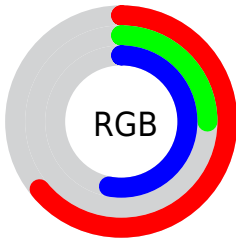
Format	Color
R_{YB}	162, 64, 134
Decimal	10633350
CIE _{Lab}	42.87, 48.71, -19.26
CIE _{LCh}	43, 52.379, 338.422
Yxy	13.0694, 0.3622, 0.2250
Android (android.graphics.Color)	4288823430 (0xFFA24086)
YUV	101.2820, 16.1300, 53.2497
Hunter-Lab	36.1516, 40.6046, -14.0024

Details

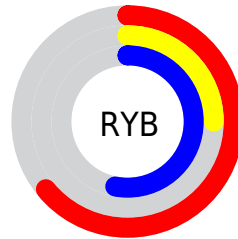
The XYZ color **21.0368, 13.0694, 23.9681** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.9671, 27.7039, 14.5796**, and the grayscale version is **12.3961, 13.0417, 14.2024**.

A 20% lighter version of the original color is **44.5443, 31.3705, 50.7211**, and **7.6636, 3.7659, 8.7105** is the 20% darker color. If you saturate the color by 10%, you get **19.9366, 11.3743, 22.0432**, and if you desaturate by 10%, it is **22.4173, 15.3021, 26.0564**.

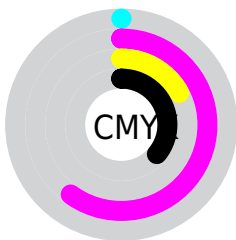
Distribution



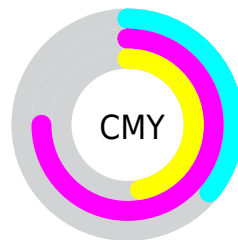
- Red (64%)
- Green (25%)
- Blue (53%)



- Red (64%)
- Yellow (25%)
- Blue (53%)



- Cyan (0%)
- Magenta (60%)
- Yellow (17%)
- Black (36%)





- Cyan (36%)
- Magenta (75%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0368, 13.0694, 23.9681 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 21.0368, 13.0694, 23.9681 by changing the saturation by 10% instead.

 21.0368, 13.0694,
23.9681


 21.0368, 13.0694,
23.9681


250.2020,
211.3620, 285.9405


 13.2635, 7.4764,
15.0980


 44.6396, 31.4284,
50.9213

 7.6885, 3.7618,
8.7408


 61.1998, 44.9632,
69.8415


 3.9464, 1.5412,
4.4780

 81.4197, 61.9139,
92.9488

 1.6719, 0.3175,
1.8911

 105.6647, 82.6651,
120.6617

 0.4386, 0.0000,
0.4870

 134.3000,
107.6011, 153.3988

 0.0000, 0.0000,
0.0000

167.6911,

137.1063, 191.5786

206.2033,
171.5652, 235.6197

■ 21.0368, 13.0694,
23.9681

■ 21.0368, 13.0694,
23.9681

■ 19.9366, 11.3743,
22.0432

■ 22.4173, 15.3021,
26.0564

■ 19.0916, 10.1674,
20.2722

■ 24.0979, 18.1123,
28.3151

■ 18.4741, 9.3935,
18.6449

■ 26.0980, 21.5383,
30.7519

■ 18.0361, 8.9357,
17.2095

■ 28.4349, 25.6146,
33.3732

■ 31.1248, 30.3731,
36.1852

■ 34.1827, 35.8436,
39.1938

■ 37.6227, 42.0541,
42.4045

■ 41.4582, 49.0311,
45.8226

■ 45.7019, 56.7998,
49.4529

Harmonies

Analogous

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



17.8422, 13.0694, 39.4106



21.0368, 13.0694, 23.9681



21.6916, 13.0694, 11.2414

Triad

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



21.0368, 13.0694, 23.9681



11.3291, 13.0694, 1.6690



7.3173, 13.0694, 32.7821

Complementary

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



21.0368, 13.0694, 23.9681



16.9671, 27.7039, 14.5796

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.



6.2604, 13.0694, 17.7071



21.0368, 13.0694, 23.9681



8.2285, 13.0694, 3.0079

Square

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



21.0368, 13.0694, 23.9681



15.4715, 13.0694, 2.0020



6.5538, 13.0694, 7.5683



9.8022, 13.0694, 46.1226

Rectangle

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



21.0368, 13.0694, 23.9681



20.4902, 13.0694, 6.1091



6.5538, 13.0694, 7.5683



6.8104, 13.0694, 27.5030

Sweetspot

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



21.0372, 13.0700, 23.9684



52.6153, 48.2507, 61.6534



12.7460, 8.5395, 35.1593



11.5281, 10.3284, 13.5361



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.0372, 13.0700, 23.9684



35.5426, 19.6944, 38.7317



18.3833, 12.0085, 9.9928



7.2776, 7.1675, 8.4484



14.2283, 7.0474, 13.6589



0.3177, 0.1556, 0.3856

Inverse Universe

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



21.0372, 13.0700, 23.9684



35.5426, 19.6944, 38.7317



19.8256, 28.8473, 29.6322



7.2776, 7.1675, 8.4484



14.2283, 7.0474, 13.6589



0.3177, 0.1556, 0.3856

Previews

White Background



This preview shows how the XYZ color 21.0368, 13.0694, 23.9681 looks on a white background.

Color Contrast Check

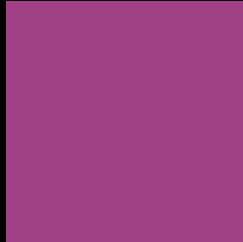
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0368, 13.0694, 23.9681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

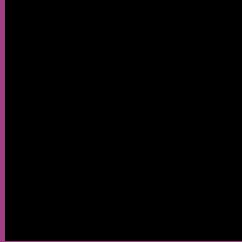
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0368, 13.0694, 23.9681

Background



This preview shows how black text looks on a background with the XYZ color 21.0368, 13.0694, 23.9681.



This preview shows how white text looks on a background with the XYZ color 21.0368, 13.0694,

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

21.0368, 13.0694, 23.9681

Protanopia

14.2206, 13.3427, 36.0083

Deuteranopia

13.4905, 13.2695, 22.2723



Tritanopia

18.0815, 13.0850, 9.5553

Trichromacy



Original Color

21.0368, 13.0694, 23.9681

Protanomaly

15.3824, 12.3346, 31.2758

Deuteranomaly

15.3226, 12.4930, 22.7229

Tritanomaly

18.9644, 12.9452, 13.8111

Monochromacy



Original Color

21.0368, 13.0694, 23.9681

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.6387, 12.3827, 17.2413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0368, 13.0694, 23.9681 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(162, 64, 134)` looks like.

```
.text, #text, p{  
    color:rgb(162, 64, 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(162, 64, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 64, 134) }
```

Border

The CSS property to change the border of an element to XYZ 21.0368, 13.0694, 23.9681 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(162, 64, 134) }
```


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

```
.border{ border-color:rgb(162, 64, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 64, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 64, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 64, 134);  
box-shadow:4px 4px 4px 4px rgb(162, 64,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0368, 13.0694, 23.9681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 64, 134) }
```

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

```
.background{ background-color: rgb(162, 64,  
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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