

Converting Colors

XYZ(21.5009, 12.0344, 24.3587)

Have a look what the booklet for
XYZ(21.5009, 12.0344, 24.3587)
contains.

XYZ(21.5694, 12.0564, 24.4828)	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(21.5694, 12.0564,
24.4828)**

Conversions

Conversions Part 1

Format	Color
Hex	A82E88
RGB	168, 46, 136
RGB Percent	66%, 18%, 53%
CMY	0.3412, 0.8196, 0.4667
CMYK	0.00, 0.73, 0.19, 0.34
HSL	316°, 57%, 42%
HSV	316°, 73%, 66%
XYZ	21.5694, 12.0564, 24.4828
YIQ	92.7380, 43.8220, 53.8540

Conversions

Conversions Part 2

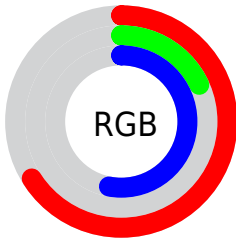
Format	Color
R_{YB}	168, 46, 136
Decimal	11021960
CIE _{Lab}	41.31, 57.97, -22.81
CIE _{LCh}	41, 62.300, 338.518
Yxy	12.0564, 0.3712, 0.2075
Android (android.graphics.Color)	4289212040 (0xFFA82E88)
YUV	92.7380, 21.3282, 66.0048
Hunter-Lab	34.7223, 50.1196, -17.4999

Details

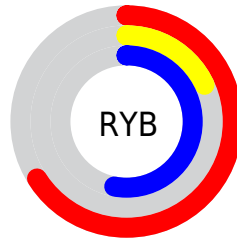
The XYZ color **21.5694, 12.0564, 24.4828** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.5052, 29.1367, 11.9631**, and the grayscale version is **10.2890, 10.8249, 11.7883**.

A 20% lighter version of the original color is **45.5085, 29.5870, 52.0275**, and **8.3618, 4.1166, 9.1580** is the 20% darker color. If you saturate the color by 10%, you get **20.7301, 10.8686, 22.6895**, and if you desaturate by 10%, it is **22.6791, 13.7640, 26.4300**.

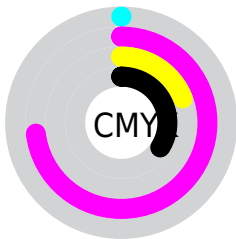
Distribution



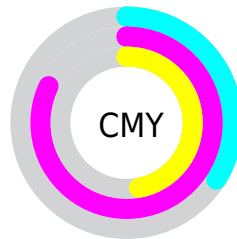
- Red (66%)
- Green (18%)
- Blue (53%)



- Red (66%)
- Yellow (18%)
- Blue (53%)



- Cyan (0%)
- Magenta (73%)
- Yellow (19%)
- Black (34%)



- Cyan (34%)
- Magenta (82%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5694, 12.0564, 24.4828 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 21.5694, 12.0564, 24.4828 by changing the saturation by 10% instead.

21.5694, 12.0564,
24.4828

21.5694, 12.0564,
24.4828

252.9641,
204.7783, 288.6171

13.6557, 6.7821,
15.4766

45.5174, 29.5978,
51.7706

7.9617, 3.3262,
9.0043

62.2825, 42.6337,
70.8893

4.1220, 1.3043,
4.6471

82.7286, 59.0255,
94.2160

1.7714, 0.1445,
1.9866

107.2213, 79.1577,
122.1691

0.5003, 0.0000,
0.5470

136.1258,
103.4147, 155.1672

0.0000, 0.0000,
0.0000

169.8076,

132.1809, 193.6289

208.6319,
165.8406, 237.9727

■ 21.5694, 12.0564,
24.4828

■ 21.5694, 12.0564,
24.4828

■ 20.7301, 10.8686,
22.6895

■ 22.6791, 13.7640,
26.4300

■ 20.1280, 10.1350,
21.0379

■ 24.0850, 16.0434,
28.5402

■ 19.7824, 9.7784,
19.8911

■ 25.8112, 18.9421,
30.8221

■ 27.8786, 22.5021,
33.2835

■ 30.3067, 26.7619,
35.9316

■ 33.1133, 31.7568,
38.7729

■ 36.3149, 37.5199,
41.8138

■ 39.9272, 44.0822,
45.0600

■ 43.9650, 51.4729,
48.5172

Harmonies

Analogous

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



17.7516, 12.0564, 43.7182



21.5694, 12.0564, 24.4828



22.3511, 12.0564, 9.7821

Triad

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



21.5694, 12.0564, 24.4828



10.2223, 12.0564, 0.6714



5.9259, 12.0564, 35.4593

Complementary

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



21.5694, 12.0564, 24.4828



16.5052, 29.1367, 11.9631

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.



4.8453, 12.0564, 17.1597



21.5694, 12.0564, 24.4828



6.8632, 12.0564, 1.7073

Square

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



21.5694, 12.0564, 24.4828



14.9369, 12.0564, 0.9260



5.1364, 12.0564, 5.9718



8.5682, 12.0564, 52.4443

Rectangle

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



21.5694, 12.0564, 24.4828



20.8911, 12.0564, 4.4826



5.1364, 12.0564, 5.9718



5.4043, 12.0564, 28.9103

Sweetspot

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



21.5698, 12.0570, 24.4830



55.0959, 48.7405, 65.3079



11.0660, 6.3390, 37.6864



11.7467, 10.1611, 13.9573



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.5698, 12.0570, 24.4830



36.9164, 18.8356, 39.3508



18.4480, 10.8083, 8.0438



7.7566, 7.6325, 9.0356



14.9606, 7.3929, 15.1359



0.3833, 0.1876, 0.4698

Inverse Universe

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



21.5698, 12.0570, 24.4830



36.9164, 18.8356, 39.3508



19.6812, 30.4071, 28.6881



7.7566, 7.6325, 9.0356



14.9606, 7.3929, 15.1359



0.3833, 0.1876, 0.4698

Previews

White Background



This preview shows how the XYZ color 21.5694, 12.0564, 24.4828 looks on a white background.

Color Contrast Check

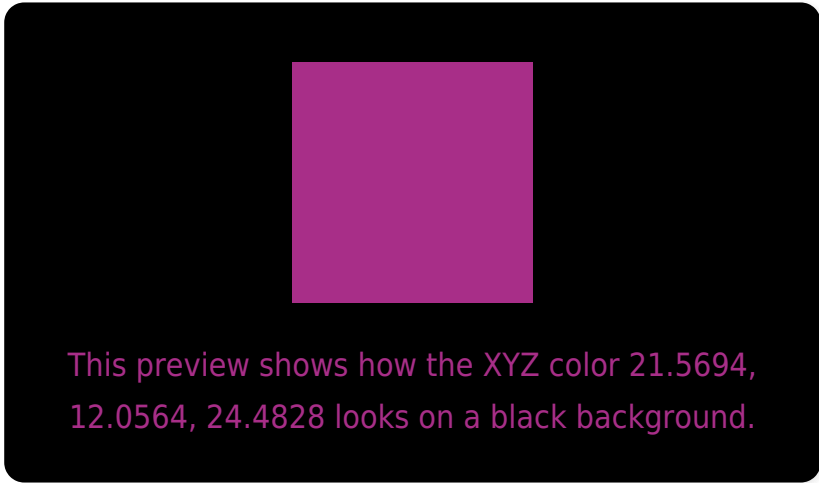
Large Text (above 18pt) WCAG AA ✓ Pass

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

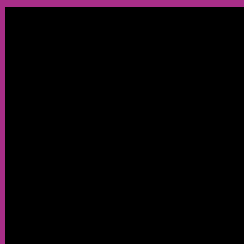
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5694, 12.0564, 24.4828

Background



This preview shows how black text looks on a background with the XYZ color 21.5694, 12.0564, 24.4828.



This preview shows how white text looks on a background with the XYZ color 21.5694, 12.0564,

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

21.5694, 12.0564, 24.4828

Protanopia

13.8828, 12.4610, 42.7478

Deuteranopia

12.5515, 12.3585, 22.4928



Tritanopia

17.9858, 12.0327, 7.3358

Trichromacy



Original Color

21.5694, 12.0564, 24.4828

Protanomaly

14.3030, 10.6746, 35.0248

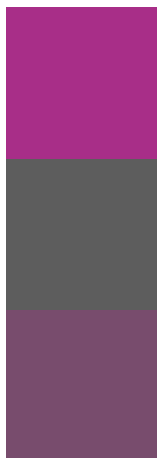
Deuteranomaly

14.4970, 11.0367, 23.1960

Tritanomaly

18.9394, 11.8467, 12.1149

Monochromacy



Original Color

21.5694, 12.0564, 24.4828

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.0905, 10.2661, 15.7596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5694, 12.0564, 24.4828 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(168, 46, 136)` looks like.

```
.text, #text, p{  
    color:rgb(168, 46, 136)  
}
```

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(168, 46, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 46, 136) }
```

Border

The CSS property to change the border of an element to XYZ 21.5694, 12.0564, 24.4828 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(168, 46, 136) }
```


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

```
.border{ border-color:rgb(168, 46, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 46, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 46, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 46, 136);  
box-shadow:4px 4px 4px 4px rgb(168, 46,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5694, 12.0564, 24.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 46, 136) }
```

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

```
.background{ background-color: rgb(168, 46,  
136) }
```

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