

Converting Colors

XYZ(12.2797, 5.8648, 21.6214)

Have a look what the booklet for
XYZ(12.2797, 5.8648, 21.6214)
contains.

XYZ(12.3414, 5.8968, 21.6068)	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(12.3414, 5.8968,
21.6068)**

Conversions

Conversions Part 1

Format	Color
Hex	7C0082
RGB	124, 0, 130
RGB Percent	49%, 0%, 51%
CMY	0.5137, 1.0000, 0.4902
CMYK	0.05, 1.00, 0.00, 0.49
HSL	297°, 100%, 25%
HSV	297°, 100%, 51%
XYZ	12.3414, 5.8968, 21.6068
YIQ	51.8960, 32.1740, 66.7180

Conversions

Conversions Part 2

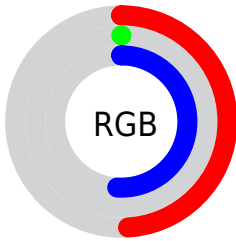
Format	Color
R_{YB}	124, 0, 130
Decimal	8126594
CIE _{Lab}	29.15, 58.57, -38.81
CIE _{LCh}	29, 70.265, 326.473
Yxy	5.8968, 0.3097, 0.1480
Android (android.graphics.Color)	4286316674 (0xFF7C0082)
YUV	51.8960, 38.5053, 63.2352
Hunter-Lab	24.2833, 48.2224, -35.7567

Details

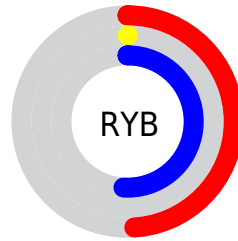
The XYZ color **12.3414, 5.8968, 21.6068** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **8.0579, 16.0041, 2.6647**, and the grayscale version is **3.2057, 3.3727, 3.6729**.

A 20% lighter version of the original color is **29.7274, 17.6705, 47.1913**, and **3.9738, 1.8813, 7.7431** is the 20% darker color. If you saturate the color by 10%, you get **12.3415, 5.8968, 21.6069**, and if you desaturate by 10%, it is **12.5726, 6.2298, 21.6590**.

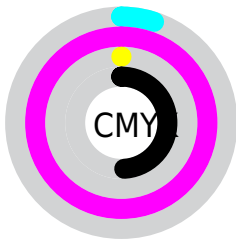
Distribution



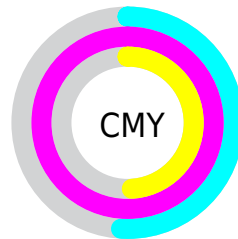
- Red (49%)
- Green (0%)
- Blue (51%)



- Red (49%)
- Yellow (0%)
- Blue (51%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (49%)



- Cyan (51%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3414, 5.8968, 21.6068 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 12.3414, 5.8968, 21.6068 by changing the saturation by 10% instead.

12.3414, 5.8968,
21.6068

12.3414, 5.8968,
21.6068

200.3766,
158.1539, 273.3721

7.0505, 2.7824,
13.3727

29.7269, 17.7166,
46.9891

3.5403, 1.0192,
7.5520

42.5521, 27.1909,
64.9744

1.4455, 0.0000,
3.7260

58.6196, 39.5539,
87.0471

0.2883, 0.0000,
1.4763

78.2945, 55.1900,
113.6259


0.0000, 0.0000,
0.2001


101.9424, 74.4837,
145.1293

0.0000, 0.0000,
0.0000


129.9284, 97.8193,

181.9757

 162.6180,
125.5812, 224.5839

 12.3414, 5.8968,
21.6068


 12.3414, 5.8968,
21.6068

 12.3415, 5.8968,
21.6069

 12.5726, 6.2298,
21.6590

 12.8857, 6.7261,
21.7383

 13.3299, 7.4839,
21.8611

 13.9211, 8.5348,
22.0328

 14.6727, 9.9056,
22.2578

■ 15.5965, 11.6203,
22.5401

■ 16.7036, 13.7005,
22.8832

■ 18.0037, 16.1660,
23.2906

■ 19.5060, 19.0353,
23.7653

Harmonies

Analogous

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



8.7698, 5.8968, 37.9452



12.3414, 5.8968, 21.6068



14.1098, 5.8968, 7.5508

Triad

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



12.3414, 5.8968, 21.6068



5.9866, 5.8968, 0.0000



1.7376, 5.8968, 17.7074

Complementary

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



12.3414, 5.8968, 21.6068



8.0579, 16.0041, 2.6647

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.



1.4667, 5.8968, 5.4092



12.3414, 5.8968, 21.6068



3.3108, 5.8968, 0.0000

Square

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



12.3414, 5.8968, 21.6068



9.6709, 5.8968, 0.0000



1.9144, 5.8968, 0.8005



2.8759, 5.8968, 34.5549

Rectangle

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



12.3414, 5.8968, 21.6068



13.6745, 5.8968, 2.6448



1.9144, 5.8968, 0.8005



1.5661, 5.8968, 12.7200

Sweetspot

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



12.3417, 5.8971, 21.6069



29.2715, 23.8542, 40.2540



4.1001, 1.7531, 21.2414



6.4640, 5.0951, 9.0611



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.3417, 5.8971, 21.6069



21.6997, 10.3669, 38.0498



10.3597, 5.2075, 6.5057



4.4792, 4.4026, 5.4270



11.8351, 5.6549, 20.7177



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2390, 4.7592, 0.6043



16.2550, 8.3748, 0.9828



8.7594, 16.2760, 6.7507



4.3352, 4.3472, 4.5696



8.8593, 4.5634, 0.5829



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3414, 5.8968, 21.6068 looks on a white background.

Color Contrast Check

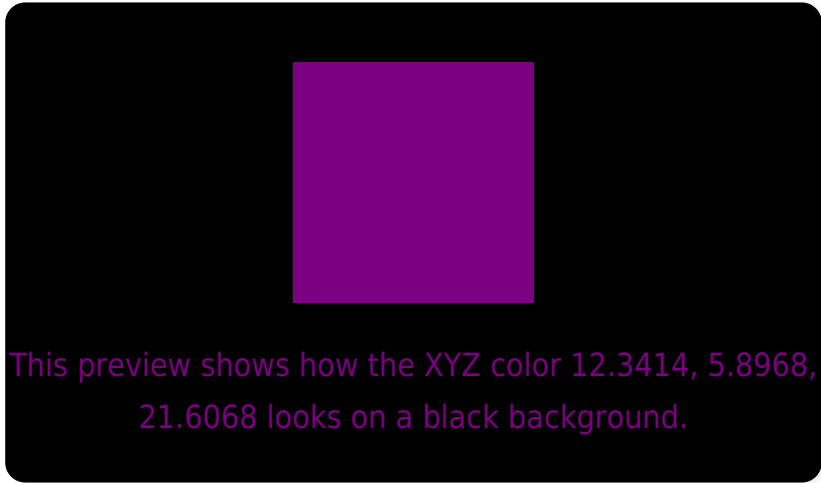
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

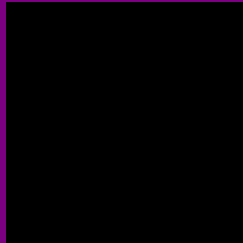
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3414, 5.8968, 21.6068

Background



This preview shows how black text looks on a background with the XYZ color 12.3414, 5.8968, 21.6068.



This preview shows how white text looks on a background with the XYZ color 12.3414, 5.8968,

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

12.3414, 5.8968, 21.6068

Protanopia

7.3946, 6.3628, 28.4422

Deuteranopia

6.6229, 6.5453, 19.3267



Tritanopia

8.9199, 6.2788, 4.2318

Trichromacy



Original Color

12.3414, 5.8968, 21.6068

Protanomaly

6.7906, 4.2823, 25.6680

Deuteranomaly

7.0626, 4.6636, 19.9300

Tritanomaly

9.5107, 5.4938, 8.5418

Monochromacy



Original Color

12.3414, 5.8968, 21.6068

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1337, 3.2866, 7.9532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3414, 5.8968, 21.6068 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(124, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 130)  
}
```

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(124, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.3414, 5.8968, 21.6068 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(124, 0, 130) }
```


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

```
.border{ border-color:rgb(124, 0, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(124, 0,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3414, 5.8968, 21.6068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 0, 130) }
```

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

```
.background{ background-color: rgb(124, 0,  
130) }
```

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