

Converting Colors

XYZ(12.6697, 5.9124, 43.1000)

Have a look what the booklet for
XYZ(12.6697, 5.9124, 43.1000)
contains.

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Color

**XYZ(12.6674, 5.9114,
43.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	5B12B3
RGB	91, 18, 179
RGB Percent	36%, 7%, 70%
CMY	0.6431, 0.9294, 0.2980
CMYK	0.49, 0.90, 0.00, 0.30
HSL	267°, 82%, 39%
HSV	267°, 90%, 70%
XYZ	12.6674, 5.9114, 43.1212
YIQ	58.1810, -8.1730, 65.5470

Conversions

Conversions Part 2

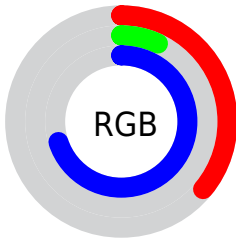
Format	Color
R_{YB}	91, 18, 179
Decimal	5968563
CIE _{Lab}	29.19, 60.62, -68.96
CIE _{LCh}	29, 91.821, 311.318
Yxy	5.9114, 0.2053, 0.0958
Android (android.graphics.Color)	4284158643 (0xFF5B12B3)
YUV	58.1810, 59.5638, 28.7823
Hunter-Lab	24.3134, 50.4511, -88.1350

Details

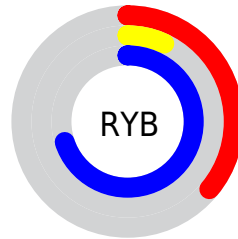
The XYZ color **12.6674, 5.9114, 43.1212** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **22.1722, 35.3476, 6.2263**, and the grayscale version is **3.9695, 4.1762, 4.5479**.

A 20% lighter version of the original color is **30.3024, 17.7090, 81.1780**, and **4.0109, 1.6401, 19.5072** is the 20% darker color. If you saturate the color by 10%, you get **11.5501, 5.0159, 43.0074**, and if you desaturate by 10%, it is **14.1075, 7.2646, 43.3067**.

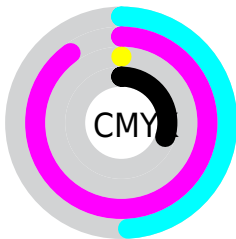
Distribution



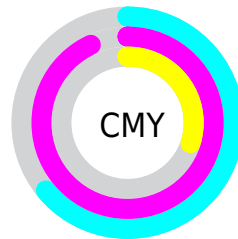
- Red (36%)
- Green (7%)
- Blue (70%)



- Red (36%)
- Yellow (7%)
- Blue (70%)



- Cyan (49%)
- Magenta (90%)
- Yellow (0%)
- Black (30%)



- Cyan (64%)
- Magenta (93%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6674, 5.9114, 43.1212 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 12.6674, 5.9114, 43.1212 by changing the saturation by 10% instead.

■ 12.6674, 5.9114,
43.1212

■ 12.6674, 5.9114,
43.1212

202.4559,
158.2846, 375.0458

■ 7.2753, 2.7913,
29.6481

■ 30.3114, 17.7470,
81.1820

■ 3.6827, 1.0238,
19.3219

■ 43.2940, 27.2313,
106.6069

■ 1.5243, 0.0000,
11.7239

■ 59.5375, 39.6058,
136.8527

■ 0.3423, 0.0000,
6.4357

■ 79.4073, 55.2548,
172.3381

■ 0.0000, 0.0000,
3.0388

■ 103.2686, 74.5628,
213.4816


■ 0.0000, 0.0000,
1.1145

■ 131.4870, 97.9142,

■ 0.0000, 0.0000,


260.7016


0.0000

 164.4276,
125.6934, 314.4169

 12.6674, 5.9114,
43.1212


 12.6674, 5.9114,
43.1212


 11.5501, 5.0159,
43.0074


 14.1075, 7.2646,
43.3067

 11.5446, 5.0115,
43.0068

 15.9481, 9.2258,
43.5882

 18.2294, 11.8686,
43.9781

 20.9858, 15.2557,
44.4866

 24.2480, 19.4423,
45.1227

■ 28.0437, 24.4783,
45.8947

■ 32.3984, 30.4093,
46.8100

■ 37.3359, 37.2778,
47.8755

■ 42.8786, 45.1234,
49.0977

Harmonies

Analogous

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



7.3269, 5.9114, 64.4724



12.6674, 5.9114, 43.1212



17.0082, 5.9114, 16.8239

Triad

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



12.6674, 5.9114, 43.1212



8.5675, 5.9114, 0.0000



0.8737, 5.9114, 12.0156

Complementary

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



12.6674, 5.9114, 43.1212



22.1722, 35.3476, 6.2263

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.



0.9523, 5.9114, 1.5526



12.6674, 5.9114, 43.1212



4.1989, 5.9114, 0.0000

Square

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



12.6674, 5.9114, 43.1212



13.9490, 5.9114, 0.0000



1.8357, 5.9114, 0.0000



1.5143, 5.9114, 36.1861

Rectangle

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



12.6674, 5.9114, 43.1212



17.8949, 5.9114, 5.9270



1.8357, 5.9114, 0.0000



0.8303, 5.9114, 6.9744

Sweetspot

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



12.6678, 5.9115, 43.1214



52.0724, 46.3323, 82.5797



13.5968, 13.8047, 44.5959



10.9869, 9.5238, 18.1815



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



12.6678, 5.9115, 43.1214



20.4248, 8.8459, 77.0121



25.1367, 12.3395, 43.7049



8.3958, 8.4125, 10.6876



8.2310, 3.5790, 30.3940



0.3265, 0.1474, 0.9595

Inverse Universe

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



21.4078, 11.0566, 14.6392



37.1143, 18.6919, 21.6707



16.6565, 32.5042, 5.9681



8.6841, 8.5804, 9.8351



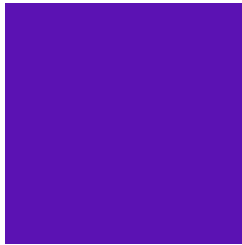
14.7223, 7.4065, 8.9635



0.4922, 0.2446, 0.4345

Previews

White Background



This preview shows how the XYZ color 12.6674, 5.9114, 43.1212 looks on a white background.

Color Contrast Check

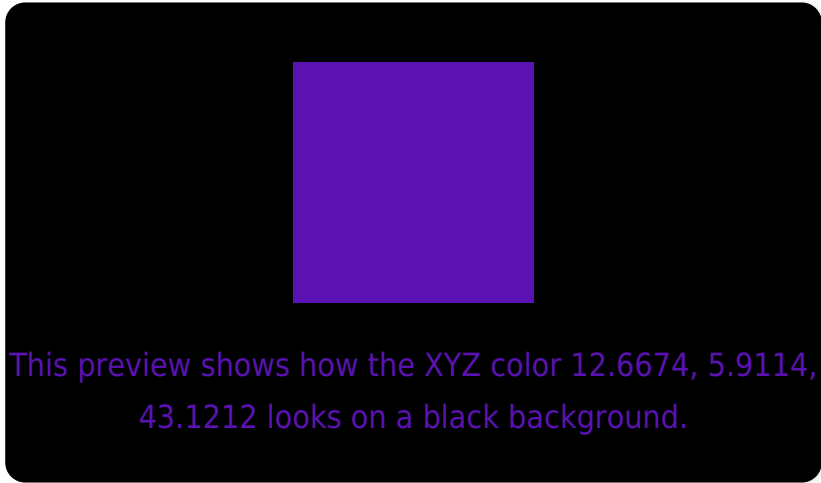
Large Text (above 18pt) WCAG AA ✓ Pass

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

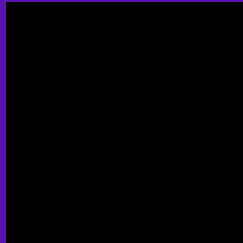
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6674, 5.9114, 43.1212

Background



This preview shows how black text looks on a background with the XYZ color 12.6674, 5.9114, 43.1212.



This preview shows how white text looks on a background with the XYZ color 12.6674, 5.9114,

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

12.6674, 5.9114, 43.1212

Protanopia

6.9496, 6.0872, 26.3999

Deuteranopia

5.8302, 6.0399, 19.2709



Tritanopia

5.6427, 6.0991, 7.9010

Trichromacy



Original Color

12.6674, 5.9114, 43.1212

Protanomaly

7.6842, 4.9711, 31.5649

Deuteranomaly

6.8131, 4.7625, 26.5468

Tritanomaly

7.0129, 5.0874, 16.5319

Monochromacy



Original Color

12.6674, 5.9114, 43.1212

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

5.7879, 3.9892, 13.0353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6674, 5.9114, 43.1212 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(91, 18, 179)` looks like.

```
.text, #text, p{  
    color:rgb(91, 18, 179)  
}
```

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(91, 18, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 18, 179) }
```

Border

The CSS property to change the border of an element to XYZ 12.6674, 5.9114, 43.1212 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(91, 18, 179) }
```


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

```
.border{ border-color:rgb(91, 18, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 18, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 18, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 18, 179);  
box-shadow:4px 4px 4px 4px rgb(91, 18,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6674, 5.9114, 43.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 18, 179) }
```

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

```
.background{ background-color: rgb(91, 18,  
179) }
```

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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