

Converting Colors

XYZ(12.4993, 5.5037, 43.0518)

Have a look what the booklet for
XYZ(12.4993, 5.5037, 43.0518)
contains.

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Color

**XYZ(12.4511, 5.4788,
43.0491)**

Conversions

Conversions Part 1

Format	Color
Hex	5B00B3
RGB	91, 0, 179
RGB Percent	36%, 0%, 70%
CMY	0.6431, 1.0000, 0.2980
CMYK	0.49, 1.00, 0.00, 0.30
HSL	271°, 100%, 35%
HSV	271°, 100%, 70%
XYZ	12.4511, 5.4788, 43.0491
YIQ	47.6150, -3.2230, 74.9610

Conversions

Conversions Part 2

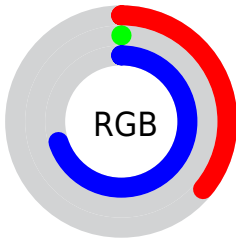
Format	Color
RYB	91, 0, 179
Decimal	5963955
CIELab	28.06, 64.03, -70.83
CIELCh	28, 95.484, 312.116
Yxy	5.4788, 0.2042, 0.0898
Android (android.graphics.Color)	4284154035 (0xFF5B00B3)
YUV	47.6150, 64.7728, 38.0486
Hunter-Lab	23.4068, 53.9898, -92.6595

Details

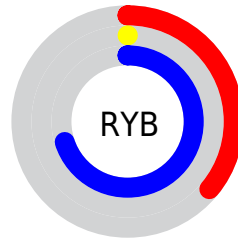
The XYZ color **12.4511, 5.4788, 43.0491** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **20.1443, 34.3148, 5.5617**, and the grayscale version is **2.7010, 2.8416, 3.0945**.

A 20% lighter version of the original color is **29.8461, 16.7964, 81.0258**, and **3.9702, 1.6191, 19.5053** is the 20% darker color. If you saturate the color by 10%, you get **12.4515, 5.4791, 43.0493**, and if you desaturate by 10%, it is **13.5853, 6.3822, 43.1639**.

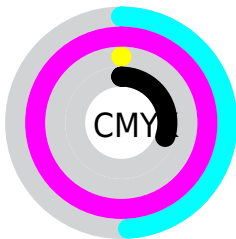
Distribution



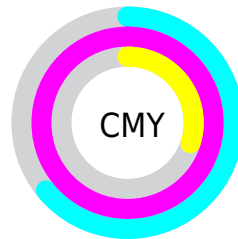
- Red (36%)
- Green (0%)
- Blue (70%)



- Red (36%)
- Yellow (0%)
- Blue (70%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (64%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4511, 5.4788, 43.0491 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 12.4511, 5.4788, 43.0491 by changing the saturation by 10% instead.

■ 12.4511, 5.4788,
43.0491

■ 12.4511, 5.4788,
43.0491

201.0788,
154.3474, 374.7408

■ 7.1261, 2.5308,
29.5920

■ 29.9238, 16.8398,
81.0721

■ 3.5881, 0.8920,
19.2797

■ 42.8023, 26.0215,
106.4750

■ 1.4719, 0.0000,
11.6937

■ 58.9292, 38.0501,
136.6970

■ 0.3066, 0.0000,
6.4155

■ 78.6700, 53.3097,
172.1565

■ 0.0000, 0.0000,
3.0265

■ 102.3900, 72.1849,
213.2721


■ 0.0000, 0.0000,
1.1082


■ 130.4545, 95.0599,


■ 0.0000, 0.0000,


260.4623

0.0000


 163.2290,
122.3193, 314.1457

 12.4511, 5.4788,
43.0491


 12.4511, 5.4788,
43.0491


 12.4515, 5.4791,
43.0493

 13.5853, 6.3822,
43.1639

 15.0196, 7.7305,
43.3485

 16.8324, 9.6751,
43.6283

 19.0624, 12.2889,
44.0153

 21.7429, 15.6341,
44.5197

■ 24.9033, 19.7652,
45.1505

■ 28.5702, 24.7316,
45.9159

■ 32.7682, 30.5786,
46.8232

■ 37.5201, 37.3479,
47.8793

Harmonies

Analogous

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



7.0362, 5.4788, 66.0666



12.4511, 5.4788, 43.0491



16.8304, 5.4788, 15.8839

Triad

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



12.4511, 5.4788, 43.0491



8.0113, 5.4788, 0.0000



0.6733, 5.4788, 12.0423

Complementary

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



12.4511, 5.4788, 43.0491



20.1443, 34.3148, 5.5617

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.



0.7340, 5.4788, 1.3807



12.4511, 5.4788, 43.0491



3.7267, 5.4788, 0.0000

Square

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



12.4511, 5.4788, 43.0491



13.4776, 5.4788, 0.0000



1.5163, 5.4788, 0.0000



1.2837, 5.4788, 37.3432

Rectangle

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



12.4511, 5.4788, 43.0491



17.6617, 5.4788, 5.1730



1.5163, 5.4788, 0.0000



0.6230, 5.4788, 6.8351

Sweetspot

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



12.4515, 5.4791, 43.0493



50.8130, 43.8056, 82.1584



11.7509, 10.4830, 44.0521



10.6305, 8.8496, 18.0701



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.



12.4515, 5.4791, 43.0493



22.0405, 9.6789, 77.0877



26.7272, 12.8384, 43.7174



8.4400, 8.4354, 10.6897



8.8741, 3.9106, 30.4241



0.3464, 0.1577, 0.9604

Inverse Universe

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



20.3518, 10.2883, 10.1448



36.3365, 18.3808, 17.5746



16.1202, 32.2403, 5.3734



8.6647, 8.5726, 9.7326



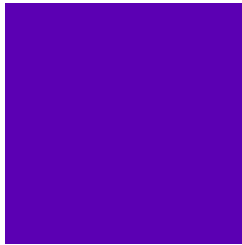
14.4142, 7.2832, 7.3412



0.4830, 0.2410, 0.3863

Previews

White Background



This preview shows how the XYZ color 12.4511, 5.4788, 43.0491 looks on a white background.

Color Contrast Check

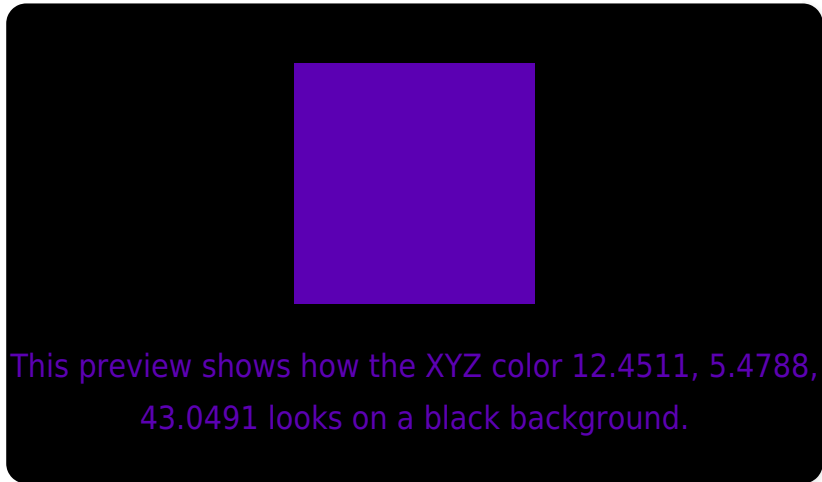
Large Text (above 18pt) WCAG AA ✓ Pass

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

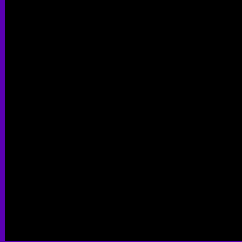
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4511, 5.4788, 43.0491

Background



This preview shows how black text looks on a background with the XYZ color 12.4511, 5.4788, 43.0491.



This preview shows how white text looks on a background with the XYZ color 12.4511, 5.4788,

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

12.4511, 5.4788, 43.0491

Protanopia

6.7408, 5.9078, 25.5960

Deuteranopia

5.6434, 5.8625, 18.6034



Tritanopia

5.5101, 5.9451, 7.5137

Trichromacy



Original Color

12.4511, 5.4788, 43.0491

Protanomaly

7.3238, 4.3842, 31.0321

Deuteranomaly

6.3733, 4.1232, 25.6592

Tritanomaly

6.6667, 4.4855, 16.1372

Monochromacy



Original Color

12.4511, 5.4788, 43.0491

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.7157, 2.9145, 11.3803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4511, 5.4788, 43.0491 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, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 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, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 12.4511, 5.4788, 43.0491 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, 0, 179) }
```


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

```
.border{ border-color:rgb(91, 0, 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, 0, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(91, 0, 179)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4511, 5.4788, 43.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 179) }
```

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

```
.background{ background-color: rgb(91, 0,  
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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