

Converting Colors

XYZ(12.2583, 6.3970, 10.5712)

Have a look what the booklet for
XYZ(12.2583, 6.3970, 10.5712)
contains.

XYZ(12.2421, 6.3905, 10.4858)	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(12.2421, 6.3905,
10.4858)**

Conversions

Conversions Part 1

Format	Color
Hex	88115B
RGB	136, 17, 91
RGB Percent	53%, 7%, 36%
CMY	0.4667, 0.9333, 0.6431
CMYK	0.00, 0.87, 0.33, 0.47
HSL	323°, 78%, 30%
HSV	323°, 87%, 53%
XYZ	12.2421, 6.3905, 10.4858
YIQ	61.0170, 47.1700, 48.2420

Conversions

Conversions Part 2

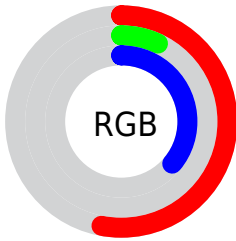
Format	Color
R_{YB}	136, 17, 91
Decimal	8917339
CIE _{Lab}	30.38, 52.61, -11.71
CIE _{LCh}	30, 53.896, 347.448
Yxy	6.3905, 0.4204, 0.2195
Android (android.graphics.Color)	4287107419 (0xFF88115B)
YUV	61.0170, 14.7816, 65.7601
Hunter-Lab	25.2794, 42.2034, -6.8976

Details

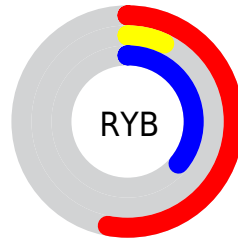
The XYZ color **12.2421, 6.3905, 10.4858** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.9054, 18.0755, 7.5260**, and the grayscale version is **4.4139, 4.6438, 5.0571**.

A 20% lighter version of the original color is **29.5244, 18.7093, 27.2545**, and **3.8670, 1.9388, 2.6530** is the 20% darker color. If you saturate the color by 10%, you get **11.8643, 5.9779, 9.3024**, and if you desaturate by 10%, it is **12.7512, 7.0413, 11.7881**.

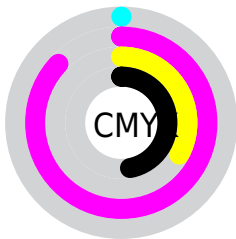
Distribution



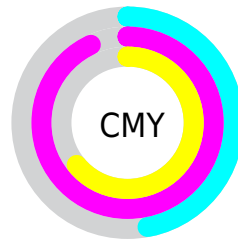
- Red (53%)
- Green (7%)
- Blue (36%)



- Red (53%)
- Yellow (7%)
- Blue (36%)



- Cyan (0%)
- Magenta (87%)
- Yellow (33%)
- Black (47%)



- Cyan (47%)
- Magenta (93%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2421, 6.3905, 10.4858 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 12.2421, 6.3905, 10.4858 by changing the saturation by 10% instead.

12.2421, 6.3905,
10.4858

12.2421, 6.3905,
10.4858

199.7389,
162.4986, 204.7142

6.9822, 3.0840,
5.6124

29.5483, 18.7361,
27.3273

3.4972, 1.1757,
2.5459

42.3253, 28.5440,
40.1325

1.4218, 0.0417,
0.8643

58.3387, 41.2877,
56.4187

0.2717, 0.0000,
0.0000


77.9538, 57.3517,
76.6045

0.0000, 0.0000,
0.0000

101.5360, 77.1205,
101.1084


129.4507,


100.9783, 130.3490


 162.0632,
129.3095, 164.7447

 12.2421, 6.3905,
10.4858

 12.2421, 6.3905,
10.4858


 11.8643, 5.9779,
9.3024


 12.7512, 7.0413,
11.7881

 11.7758, 5.8832,
9.0192

 13.4250, 7.9967,
13.2217

 14.2809, 9.2911,
14.7940

 15.3338, 10.9537,
16.5112

 16.5971, 13.0109,
18.3791

■ 18.0827, 15.4863,
20.4031

■ 19.8020, 18.4019,
22.5882

■ 21.7651, 21.7780,
24.9390

■ 23.9820, 25.6336,
27.4601

Harmonies

Analogous

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



10.4595, 6.3905, 21.4693



12.2421, 6.3905, 10.4858



12.0696, 6.3905, 3.5346

Triad

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



12.2421, 6.3905, 10.4858



4.7168, 6.3905, 0.0670



3.3206, 6.3905, 23.3213

Complementary

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



12.2421, 6.3905, 10.4858



9.9054, 18.0755, 7.5260

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.



2.4893, 6.3905, 12.0869



12.2421, 6.3905, 10.4858



3.1261, 6.3905, 1.1213

Square

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



12.2421, 6.3905, 10.4858



7.2055, 6.3905, 0.0000



2.4299, 6.3905, 4.3264



5.0676, 6.3905, 31.7091

Rectangle

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



12.2421, 6.3905, 10.4858



10.8687, 6.3905, 1.4303



2.4299, 6.3905, 4.3264



2.9489, 6.3905, 19.4984

Sweetspot

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



12.2423, 6.3909, 10.4859



32.1304, 27.7346, 36.3013



6.5470, 3.1596, 23.5573



7.2474, 6.0977, 8.1514



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.2423, 6.3909, 10.4859



20.6755, 10.3372, 15.4889



10.6268, 5.7446, 1.9786



5.1550, 5.0974, 5.9046



11.1501, 5.5702, 8.5606



0.0812, 0.0399, 0.0945

Inverse Universe

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



12.2423, 6.3909, 10.4859



20.6755, 10.3372, 15.4889



12.4339, 19.0869, 20.8410



5.1550, 5.0974, 5.9046



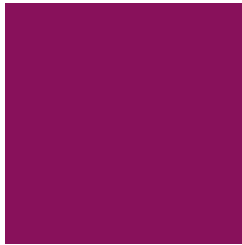
11.1501, 5.5702, 8.5606



0.0812, 0.0399, 0.0945

Previews

White Background



This preview shows how the XYZ color 12.2421, 6.3905, 10.4858 looks on a white background.

Color Contrast Check

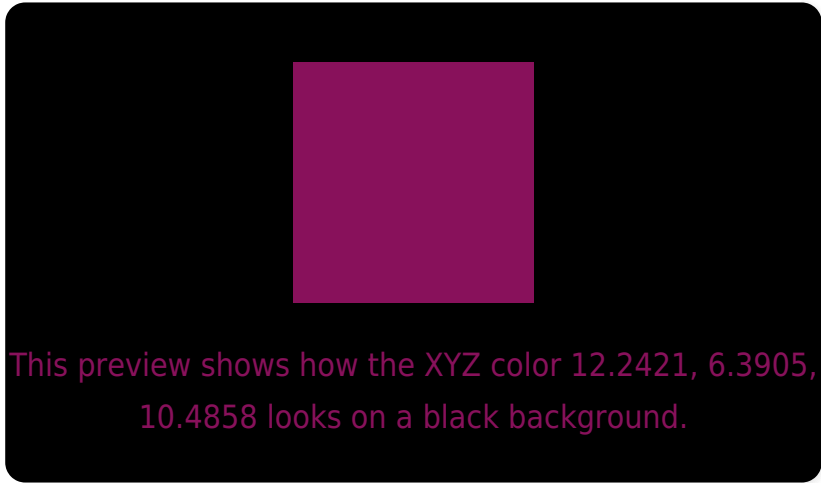
Large Text (above 18pt) WCAG AA ✓ Pass

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

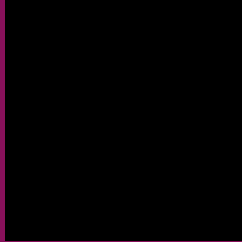
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2421, 6.3905, 10.4858

Background



This preview shows how black text looks on a background with the XYZ color 12.2421, 6.3905, 10.4858.



This preview shows how white text looks on a background with the XYZ color 12.2421, 6.3905,

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

12.2421, 6.3905, 10.4858

Protanopia

7.4148, 6.8200, 21.0043

Deuteranopia

6.8587, 6.7865, 9.5428



Tritanopia

10.7490, 6.5260, 2.7006

Trichromacy



Original Color

12.2421, 6.3905, 10.4858

Protanomaly

7.6586, 5.4202, 16.5621

Deuteranomaly

7.8781, 5.6855, 9.6990

Tritanomaly

11.0852, 6.3126, 4.7719

Monochromacy



Original Color

12.2421, 6.3905, 10.4858

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.1326, 4.4194, 6.6607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2421, 6.3905, 10.4858 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(136, 17, 91)` looks like.

```
.text, #text, p{  
    color:rgb(136, 17, 91)  
}
```

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(136, 17, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 17, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.2421, 6.3905, 10.4858 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(136, 17, 91) }
```


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

```
.border{ border-color:rgb(136, 17, 91) }
```

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

Here you see how a box with a 4 pixel rgb(136, 17, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 17, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 17, 91);  
box-shadow:4px 4px 4px 4px rgb(136, 17,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2421, 6.3905, 10.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 17, 91) }
```

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

```
.background{ background-color: rgb(136, 17,  
91) }
```

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