

Converting Colors

XYZ(12.3729, 6.4008, 9.9499)

Have a look what the booklet for
XYZ(12.3729, 6.4008, 9.9499)
contains.

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Color

**XYZ(12.4414, 6.4386,
10.0382)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0E59
RGB	138, 14, 89
RGB Percent	54%, 5%, 35%
CMY	0.4588, 0.9450, 0.6510
CMYK	0.00, 0.90, 0.36, 0.46
HSL	324°, 82%, 30%
HSV	324°, 90%, 54%
XYZ	12.4414, 6.4386, 10.0382
YIQ	59.6260, 49.8290, 49.6130

Conversions

Conversions Part 2

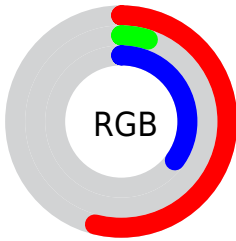
Format	Color
R_{YB}	138, 14, 89
Decimal	9047641
CIE _{Lab}	30.49, 53.47, -10.19
CIE _{LCh}	30, 54.432, 349.211
Yxy	6.4386, 0.4302, 0.2226
Android (android.graphics.Color)	4287237721 (0xFF8A0E59)
YUV	59.6260, 14.4814, 68.7340
Hunter-Lab	25.3744, 43.1157, -5.6933

Details

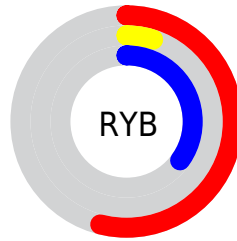
The XYZ color **12.4414, 6.4386, 10.0382** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.1673, 18.6294, 7.7645**, and the grayscale version is **4.2198, 4.4396, 4.8347**.

A 20% lighter version of the original color is **29.8198, 18.7739, 26.4782**, and **4.0033, 2.0134, 2.4631** is the 20% darker color. If you saturate the color by 10%, you get **12.0660, 6.0409, 8.8247**, and if you desaturate by 10%, it is **12.9329, 7.0413, 11.3742**.

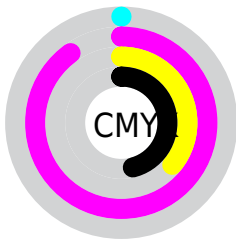
Distribution



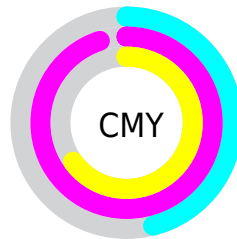
- Red (54%)
- Green (5%)
- Blue (35%)



- Red (54%)
- Yellow (5%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (36%)
- Black (46%)



- Cyan (46%)
- Magenta (95%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4414, 6.4386, 10.0382 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 12.4414, 6.4386, 10.0382 by changing the saturation by 10% instead.

12.4414, 6.4386,
10.0382

12.4414, 6.4386,
10.0382

201.0168,
162.9139, 201.4392

7.1194, 3.1136,
5.3184

29.9064, 18.8346,
26.4763

3.5839, 1.1913,
2.3733

42.7802, 28.6743,
39.0316

1.4695, 0.0546,
0.7718

58.9018, 41.4544,
55.0358

0.3050, 0.0000,
0.0000

78.6368, 57.5592,
74.9074

0.0000, 0.0000,
0.0000

102.3504, 77.3732,
99.0650

130.4081,

101.2807, 127.9272

163.1751,
129.6661, 161.9124

12.4414, 6.4386,
10.0382

12.4414, 6.4386,
10.0382

12.0660, 6.0409,
8.8247

12.9329, 7.0413,
11.3742

12.0604, 6.0350,
8.8067

13.5913, 7.9502,
12.8514

14.4355, 9.2024,
14.4776

15.4815, 10.8294,
16.2599

16.7435, 12.8590,
18.2047

■ 18.2343, 15.3164,
20.3177

■ 19.9658, 18.2248,
22.6045

■ 21.9489, 21.6056,
25.0701

■ 24.1938, 25.4788,
27.7194

Harmonies

Analogous

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



10.7248, 6.4386, 21.0909



12.4414, 6.4386, 10.0382



12.1397, 6.4386, 3.2831

Triad

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



12.4414, 6.4386, 10.0382



4.6212, 6.4386, 0.0820



3.4059, 6.4386, 24.3348

Complementary

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



12.4414, 6.4386, 10.0382



10.1673, 18.6294, 7.7645

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.



2.5153, 6.4386, 12.8379



12.4414, 6.4386, 10.0382



3.0674, 6.4386, 1.2076

Square

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



12.4414, 6.4386, 10.0382



7.1014, 6.4386, 0.0000



2.4120, 6.4386, 4.6625



5.2329, 6.4386, 32.4778

Rectangle

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



12.4414, 6.4386, 10.0382



10.8537, 6.4386, 1.3033



2.4120, 6.4386, 4.6625



3.0120, 6.4386, 20.4690

Sweetspot

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



12.4416, 6.4390, 10.0383



32.7957, 28.0897, 36.7008



6.7026, 3.1588, 24.3011



7.1699, 5.9903, 7.9791



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.



12.4416, 6.4390, 10.0383



21.1795, 10.6060, 15.1061



10.8538, 5.8038, 1.6770



5.1515, 5.0960, 5.8863



11.0651, 5.5361, 8.1129



0.0807, 0.0397, 0.0920

Inverse Universe

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



12.4416, 6.4390, 10.0383



21.1795, 10.6060, 15.1061



12.8785, 19.7139, 22.0413



5.1515, 5.0960, 5.8863



11.0651, 5.5361, 8.1129



0.0807, 0.0397, 0.0920

Previews

White Background



This preview shows how the XYZ color 12.4414, 6.4386, 10.0382 looks on a white background.

Color Contrast Check

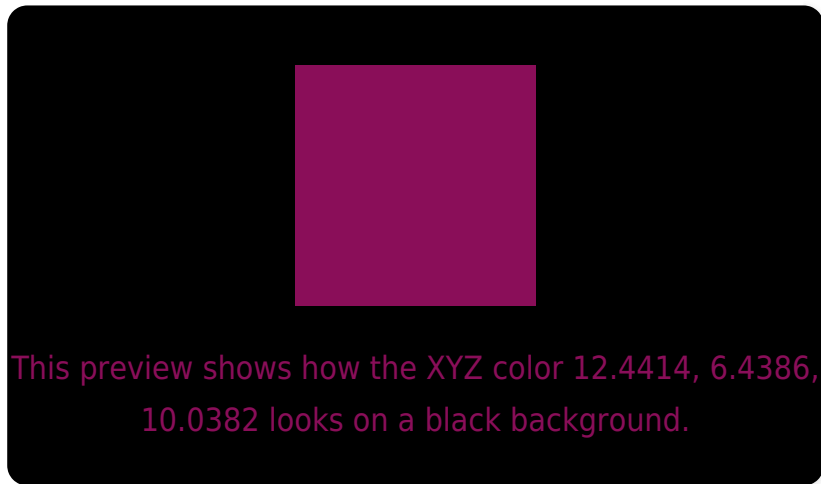
Large Text (above 18pt) WCAG AA ✓ Pass

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

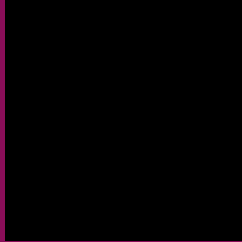
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4414, 6.4386, 10.0382

Background



This preview shows how black text looks on a background with the XYZ color 12.4414, 6.4386, 10.0382.



This preview shows how white text looks on a background with the XYZ color 12.4414, 6.4386,

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

12.4414, 6.4386, 10.0382

Protanopia

7.4485, 6.8449, 20.6673

Deuteranopia

6.9393, 6.8370, 9.1376



Tritanopia

11.0031, 6.6140, 2.5304

Trichromacy



Original Color

12.4414, 6.4386, 10.0382

Protanomaly

7.7317, 5.3989, 16.2574

Deuteranomaly

7.9691, 5.6762, 9.2699

Tritanomaly

11.3312, 6.4084, 4.5106

Monochromacy



Original Color

12.4414, 6.4386, 10.0382

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.0257, 4.2574, 6.4654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4414, 6.4386, 10.0382 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(138, 14, 89)` looks like.

```
.text, #text, p{  
    color:rgb(138, 14, 89)  
}
```

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(138, 14, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 14, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.4414, 6.4386, 10.0382 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(138, 14, 89) }
```


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

```
.border{ border-color:rgb(138, 14, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 14, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 14, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 14, 89);  
box-shadow:4px 4px 4px 4px rgb(138, 14,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4414, 6.4386, 10.0382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 14, 89) }
```

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

```
.background{ background-color: rgb(138, 14,  
89) }
```

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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