

Converting Colors

XYZ(12.1945, 6.3636, 9.0184)

Have a look what the booklet for
XYZ(12.1945, 6.3636, 9.0184)
contains.

XYZ(12.2523, 6.3850, 8.9742)	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(12.2523, 6.3850,
8.9742)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0F54
RGB	138, 15, 84
RGB Percent	54%, 6%, 33%
CMY	0.4588, 0.9411, 0.6706
CMYK	0.00, 0.89, 0.39, 0.46
HSL	326°, 80%, 30%
HSV	326°, 89%, 54%
XYZ	12.2523, 6.3850, 8.9742
YIQ	59.6430, 51.1590, 47.5350

Conversions

Conversions Part 2

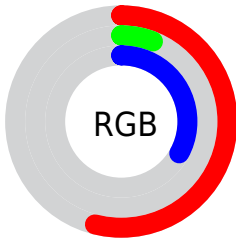
Format	Color
R_{YB}	138, 15, 84
Decimal	9047892
CIE _{Lab}	30.36, 52.73, -7.10
CIE _{LCh}	30, 53.211, 352.332
Yxy	6.3850, 0.4437, 0.2312
Android (android.graphics.Color)	4287237972 (0xFF8A0F54)
YUV	59.6430, 12.0080, 68.7191
Hunter-Lab	25.2686, 42.3317, -3.3690

Details

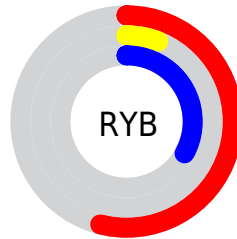
The XYZ color **12.2523, 6.3850, 8.9742** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.3602, 18.7085, 8.6971**, and the grayscale version is **4.2252, 4.4453, 4.8409**.

A 20% lighter version of the original color is **29.3932, 18.6033, 24.2319**, and **3.9335, 1.9855, 2.0954** is the 20% darker color. If you saturate the color by 10%, you get **11.8674, 5.9788, 7.7252**, and if you desaturate by 10%, it is **12.7640, 7.0120, 10.3669**.

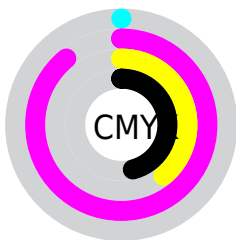
Distribution



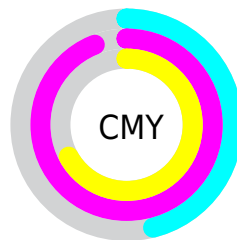
- Red (54%)
- Green (6%)
- Blue (33%)



- Red (54%)
- Yellow (6%)
- Blue (33%)



- Cyan (0%)
- Magenta (89%)
- Yellow (39%)
- Black (46%)



- Cyan (46%)
- Magenta (94%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2523, 6.3850, 8.9742 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 12.2523, 6.3850, 8.9742 by changing the saturation by 10% instead.

12.2523, 6.3850,
8.9742

12.2523, 6.3850,
8.9742

199.8045,
162.4511, 193.3963

6.9892, 3.0806,
4.6278

29.5667, 18.7248,
24.4242

3.5016, 1.1739,
1.9757

42.3486, 28.5290,
36.3649

1.4242, 0.0403,
0.5403

58.3676, 41.2686,
51.6741

0.2734, 0.0000,
0.0000


77.9888, 57.3280,
70.7703


0.0000, 0.0000,
0.0000


101.5778, 77.0915,
94.0721

129.4999,

100.9436, 121.9980


 162.1203,
129.2687, 154.9665

 12.2523, 6.3850,
8.9742


 12.2523, 6.3850,
8.9742


 11.8674, 5.9788,
7.7252

 12.7640, 7.0120,
10.3669

 11.8353, 5.9449,
7.6209

 13.4479, 7.9497,
11.9206

 14.3226, 9.2345,
13.6442

 15.4041, 10.8979,
15.5451

 16.7066, 12.9674,
17.6304

■ 18.2431, 15.4682,
19.9066

■ 20.0253, 18.4232,
22.3796

■ 22.0644, 21.8539,
25.0552

■ 24.3706, 25.7803,
27.9389

Harmonies

Analogous

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



10.7715, 6.3850, 19.3551



12.2523, 6.3850, 8.9742



11.7479, 6.3850, 2.8988

Triad

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



12.2523, 6.3850, 8.9742



4.4069, 6.3850, 0.2189



3.5623, 6.3850, 24.7490

Complementary

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



12.2523, 6.3850, 8.9742



10.3602, 18.7085, 8.6971

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.



2.5984, 6.3850, 13.6740



12.2523, 6.3850, 8.9742



2.9835, 6.3850, 1.4514

Square

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



12.2523, 6.3850, 8.9742



6.7389, 6.3850, 0.0000



2.4207, 6.3850, 5.2593



5.4446, 6.3850, 31.7842

Rectangle

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



12.2523, 6.3850, 8.9742



10.4041, 6.3850, 1.1676



2.4207, 6.3850, 5.2593



3.1442, 6.3850, 21.1186

Sweetspot

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



12.2525, 6.3854, 8.9743



32.6131, 28.0167, 35.7393



7.1638, 3.4170, 24.3268



7.1254, 5.9725, 7.7449



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.



12.2525, 6.3854, 8.9743



20.7815, 10.4468, 13.0100



10.8090, 5.8080, 1.3731



5.1426, 5.0925, 5.8395



10.8587, 5.4536, 7.0263



0.0795, 0.0392, 0.0855

Inverse Universe

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



12.2525, 6.3854, 8.9743



20.7815, 10.4468, 13.0100



13.3016, 19.8850, 24.1862



5.1426, 5.0925, 5.8395



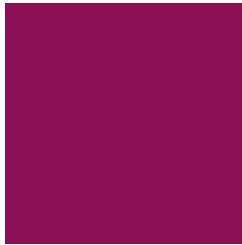
10.8587, 5.4536, 7.0263



0.0795, 0.0392, 0.0855

Previews

White Background



This preview shows how the XYZ color 12.2523, 6.3850, 8.9742 looks on a white background.

Color Contrast Check

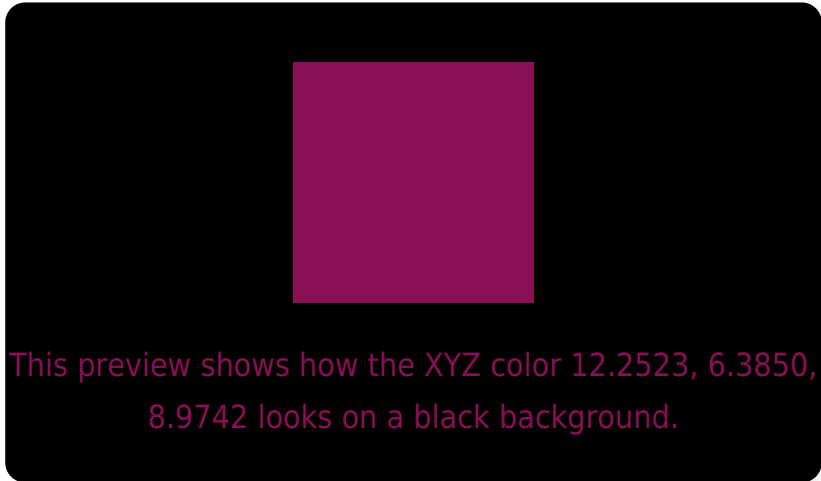
Large Text (above 18pt) WCAG AA ✓ Pass

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

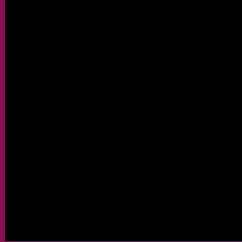
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2523, 6.3850, 8.9742

Background



This preview shows how black text looks on a background with the XYZ color 12.2523, 6.3850, 8.9742.



This preview shows how white text looks on a background with the XYZ color 12.2523, 6.3850,

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

12.2523, 6.3850, 8.9742

Protanopia

7.2780, 6.8074, 18.3831

Deuteranopia

6.8528, 6.7188, 8.1434



Tritanopia

10.9266, 6.4865, 2.4264

Trichromacy



Original Color

12.2523, 6.3850, 8.9742

Protanomaly

7.6231, 5.3867, 14.2736

Deuteranomaly

7.8873, 5.6562, 8.2655

Tritanomaly

11.2345, 6.3311, 4.1199

Monochromacy



Original Color

12.2523, 6.3850, 8.9742

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.9994, 4.3057, 6.1451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2523, 6.3850, 8.9742 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, 15, 84)` looks like.

```
.text, #text, p{  
  color:rgb(138, 15, 84)  
}
```

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, 15, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 15, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.2523, 6.3850, 8.9742 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, 15, 84) }
```


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

```
.border{ border-color:rgb(138, 15, 84) }
```

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

Here you see how a box with a 4 pixel rgb(138, 15, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 15, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 15, 84);  
box-shadow:4px 4px 4px 4px rgb(138, 15,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2523, 6.3850, 8.9742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 15, 84) }
```

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

```
.background{ background-color: rgb(138, 15,  
84) }
```

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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