

Converting Colors

XYZ(12.4352, 6.2283, 8.8165)

Have a look what the booklet for
XYZ(12.4352, 6.2283, 8.8165)
contains.

XYZ(12.3766, 6.2000, 8.7280)	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(12.3766, 6.2000,
8.7280)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0053
RGB	140, 0, 83
RGB Percent	55%, 0%, 33%
CMY	0.4510, 0.9999, 0.6745
CMYK	0.00, 1.00, 0.41, 0.45
HSL	324°, 100%, 27%
HSV	324°, 100%, 55%
XYZ	12.3766, 6.2000, 8.7280
YIQ	51.3220, 56.7970, 55.4930

Conversions

Conversions Part 2

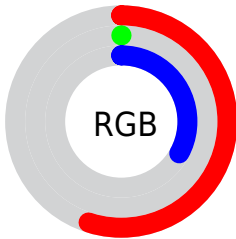
Format	Color
RYB	140, 0, 83
Decimal	9175123
CIELab	29.91, 55.54, -7.08
CIELCh	30, 55.984, 352.738
Yxy	6.2000, 0.4533, 0.2271
Android (android.graphics.Color)	4287365203 (0xFF8C0053)
YUV	51.3220, 15.6173, 77.7706
Hunter-Lab	24.8998, 45.1499, -3.3528

Details

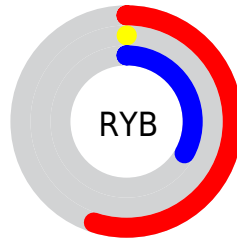
The XYZ color **12.3766, 6.2000, 8.7280** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.1172, 19.0519, 7.0172**, and the grayscale version is **3.1628, 3.3275, 3.6237**.

A 20% lighter version of the original color is **29.7709, 18.3064, 23.7942**, and **4.0060, 2.0248, 2.0134** is the 20% darker color. If you saturate the color by 10%, you get **12.3764, 6.1999, 8.7267**, and if you desaturate by 10%, it is **12.7632, 6.6062, 9.9879**.

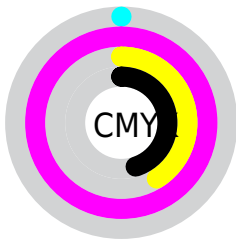
Distribution



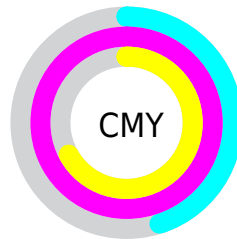
- Red (55%)
- Green (0%)
- Blue (33%)



- Red (55%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (45%)




- Cyan (45%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3766, 6.2000, 8.7280 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 12.3766, 6.2000, 8.7280 by changing the saturation by 10% instead.


 12.3766, 6.2000,
8.7280


 12.3766, 6.2000,
8.7280


200.6022,
160.8404, 191.4784


 7.0747, 2.9671,
4.4698


 29.7901, 18.3447,
23.9430


 3.5556, 1.1146,
1.8865

 42.6325, 28.0252,
35.7370


 1.4539, 0.0000,
0.4841

 58.7190, 40.6238,
50.8799

 0.2942, 0.0000,
0.0000

 78.4151, 56.5248,
69.7904

 0.0000, 0.0000,
0.0000

 102.0861, 76.1125,
92.8869

 130.0974, 99.7714,

120.5881

162.8143,
127.8859, 153.3124

12.3766, 6.2000,
8.7280

12.3766, 6.2000,
8.7280

12.3764, 6.1999,
8.7267

12.7632, 6.6062,
9.9879

13.2693, 7.2221,
11.3790

13.9490, 8.1546,
12.9213

14.8215, 9.4419,
14.6232

15.9035, 11.1166,
16.4922

■ 17.2097, 13.2078,
18.5349

■ 18.7537, 15.7415,
20.7577

■ 20.5475, 18.7419,
23.1662

■ 22.6027, 22.2311,
25.7661

Harmonies

Analogous

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



10.8368, 6.2000, 19.6666



12.3766, 6.2000, 8.7280



11.8137, 6.2000, 2.5900

Triad

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



12.3766, 6.2000, 8.7280



4.1635, 6.2000, 0.0000



3.3539, 6.2000, 25.7709

Complementary

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



12.3766, 6.2000, 8.7280



10.1172, 19.0519, 7.0172

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.



2.3791, 6.2000, 13.9383



12.3766, 6.2000, 8.7280



2.7414, 6.2000, 1.2620

Square

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



12.3766, 6.2000, 8.7280



6.5480, 6.2000, 0.0000



2.1937, 6.2000, 5.0972



5.2831, 6.2000, 33.2587

Rectangle

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



12.3766, 6.2000, 8.7280



10.3823, 6.2000, 0.9493



2.1937, 6.2000, 5.0972



2.9300, 6.2000, 21.8833

Sweetspot

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



12.3768, 6.2004, 8.7281



32.8752, 27.4411, 36.3346



6.3652, 2.7348, 25.0034



7.3324, 5.9225, 8.0291



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.3768, 6.2004, 8.7281



21.7389, 10.8983, 14.9585



10.8948, 5.6076, 0.9241



5.1491, 5.0951, 5.8735



11.0068, 5.5128, 7.8063



0.0804, 0.0395, 0.0902

Inverse Universe

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



12.3768, 6.2004, 8.7281



21.7389, 10.8983, 14.9585



13.1443, 20.2628, 22.9576



5.1491, 5.0951, 5.8735



11.0068, 5.5128, 7.8063



0.0804, 0.0395, 0.0902

Previews

White Background



This preview shows how the XYZ color 12.3766, 6.2000, 8.7280 looks on a white background.

Color Contrast Check

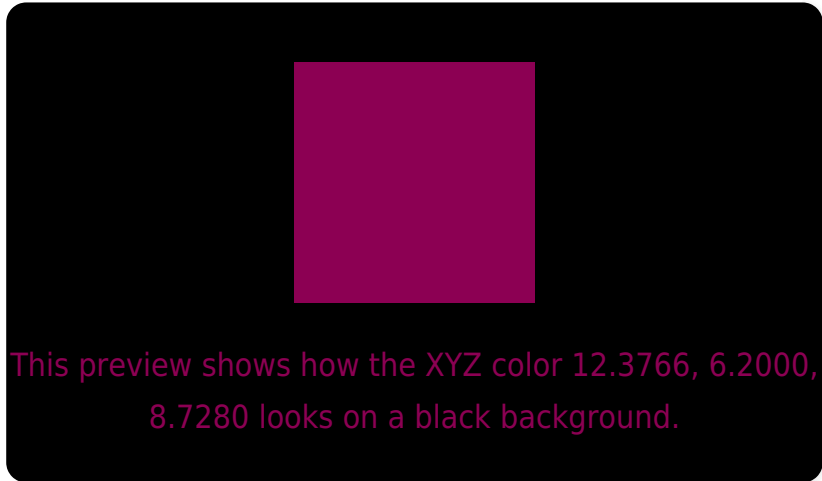
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3766, 6.2000, 8.7280

Background



This preview shows how black text looks on a background with the XYZ color 12.3766, 6.2000, 8.7280.



This preview shows how white text looks on a background with the XYZ color 12.3766, 6.2000,

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

12.3766, 6.2000, 8.7280

Protanopia

7.2780, 6.8074, 18.3831

Deuteranopia

6.9652, 6.8760, 7.9813



Tritanopia

11.1491, 6.5216, 2.1845

Trichromacy



Original Color

12.3766, 6.2000, 8.7280

Protanomaly

7.5090, 5.0208, 14.2090

Deuteranomaly

7.8678, 5.3433, 8.0138

Tritanomaly

11.3692, 6.1875, 3.8439

Monochromacy



Original Color

12.3766, 6.2000, 8.7280

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9810, 3.2309, 5.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3766, 6.2000, 8.7280 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(140, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 83)  
}
```

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(140, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.3766, 6.2000, 8.7280 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(140, 0, 83) }
```


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

```
.border{ border-color:rgb(140, 0, 83) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3766, 6.2000, 8.7280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 83) }
```

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

```
.background{ background-color: rgb(140, 0,  
83) }
```

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