

Converting Colors

XYZ(12.9926, 6.7054, 20.8409)

Have a look what the booklet for
XYZ(12.9926, 6.7054, 20.8409)
contains.

XYZ(13.0392, 6.7343, 20.6913)	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(13.0392, 6.7343,
20.6913)**

Conversions

Conversions Part 1

Format	Color
Hex	80177F
RGB	128, 23, 127
RGB Percent	50%, 9%, 50%
CMY	0.4980, 0.9098, 0.5020
CMYK	0.00, 0.82, 0.01, 0.50
HSL	301°, 70%, 30%
HSV	301°, 82%, 50%
XYZ	13.0392, 6.7343, 20.6913
YIQ	66.2510, 29.1960, 54.6040

Conversions

Conversions Part 2

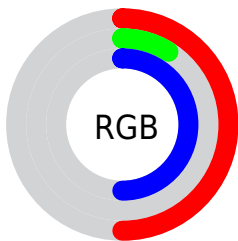
Format	Color
R_{YB}	128, 23, 127
Decimal	8394623
CIE _{Lab}	31.19, 54.45, -33.62
CIE _{LCh}	31, 63.991, 328.311
Yxy	6.7343, 0.3222, 0.1664
Android (android.graphics.Color)	4286584703 (0xFF80177F)
YUV	66.2510, 29.9493, 54.1539
Hunter-Lab	25.9505, 44.2763, -29.1087

Details

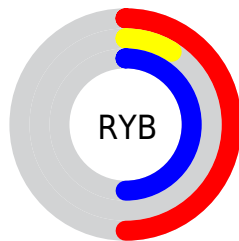
The XYZ color **13.0392, 6.7343, 20.6913** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **8.2377, 15.6867, 3.4582**, and the grayscale version is **5.1697, 5.4389, 5.9230**.

A 20% lighter version of the original color is **31.0227, 19.5202, 45.3127**, and **4.2412, 2.0317, 7.1898** is the 20% darker color. If you saturate the color by 10%, you get **12.8358, 6.3399, 20.5844**, and if you desaturate by 10%, it is **13.3659, 7.3748, 20.8395**.

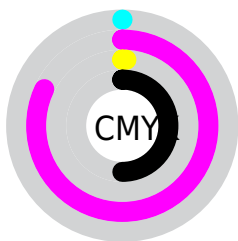
Distribution



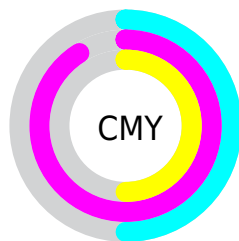
- Red (50%)
- Green (9%)
- Blue (50%)



- Red (50%)
- Yellow (9%)
- Blue (50%)



- Cyan (0%)
- Magenta (82%)
- Yellow (1%)
- Black (50%)



- Cyan (50%)
- Magenta (91%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0392, 6.7343, 20.6913 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 13.0392, 6.7343, 20.6913 by changing the saturation by 10% instead.

13.0392, 6.7343,
20.6913

13.0392, 6.7343,
20.6913

204.8013,
165.4373, 268.3603

7.5327, 3.2965,
12.7095

30.9749, 19.4367,
45.4473

3.8467, 1.2884,
7.1004

44.1349, 29.4700,
63.0586

1.6158, 0.1322,
3.4456

60.5767, 42.4707,
84.7168

0.4027, 0.0000,
1.3264

80.6657, 58.8230,
110.8404

0.0000, 0.0000,
0.0833

104.7673, 78.9115,
141.8481

0.0000, 0.0000,
0.0000

133.2469,

103.1204, 178.1582

166.4698,
131.8342, 220.1895

13.0392, 6.7343,
20.6913

13.0392, 6.7343,
20.6913

12.8358, 6.3399,
20.5844

13.3659, 7.3748,
20.8395

12.7187, 6.1158,
20.5141

13.8308, 8.2918,
21.0337

14.4474, 9.5122,
21.2786

15.2274, 11.0596,
21.5780

16.1816, 12.9551,
21.9354

■ 17.3195, 15.2181,
22.3542

■ 18.6502, 17.8667,
22.8373

■ 20.1821, 20.9177,
23.3875

■ 21.9231, 24.3869,
24.0074

Harmonies

Analogous

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



9.7141, 6.7343, 35.5411



13.0392, 6.7343, 20.6913



14.5361, 6.7343, 7.8544

Triad

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



13.0392, 6.7343, 20.6913



6.5805, 6.7343, 0.0000



2.4196, 6.7343, 18.9772

Complementary

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



13.0392, 6.7343, 20.6913



8.2377, 15.6867, 3.4582

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.



2.0624, 6.7343, 6.8343



13.0392, 6.7343, 20.6913



3.9422, 6.7343, 0.0000

Square

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



13.0392, 6.7343, 20.6913



10.1271, 6.7343, 0.0000



2.5139, 6.7343, 1.4822



3.7231, 6.7343, 34.1005

Rectangle

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



13.0392, 6.7343, 20.6913



14.0184, 6.7343, 3.1298



2.5139, 6.7343, 1.4822



2.2083, 6.7343, 14.2209

Sweetspot

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



13.0395, 6.7346, 20.6914



29.7443, 25.3033, 39.0834



4.5564, 2.3538, 20.6364



6.8254, 5.6486, 9.0995



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.0395, 6.7346, 20.6914



22.4287, 10.8396, 36.1282



10.4960, 5.7172, 7.2977



4.4965, 4.4117, 5.4188



12.6114, 6.0643, 20.3412



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0395, 6.7346, 20.6914



22.4287, 10.8396, 36.1282



9.3600, 16.1356, 9.3685



4.4965, 4.4117, 5.4188



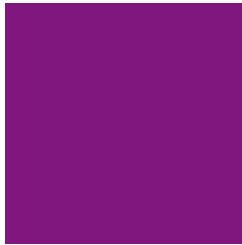
12.6114, 6.0643, 20.3412



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0392, 6.7343, 20.6913 looks on a white background.

Color Contrast Check

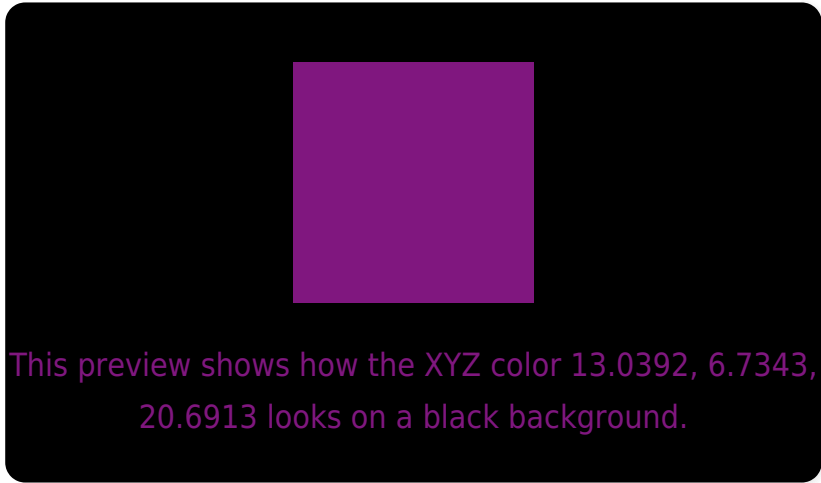
Large Text (above 18pt) WCAG AA ✓ Pass

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

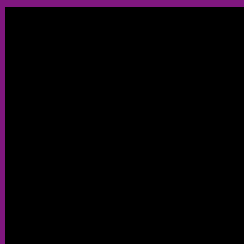
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0392, 6.7343, 20.6913

Background



This preview shows how black text looks on a background with the XYZ color 13.0392, 6.7343, 20.6913.



This preview shows how white text looks on a background with the XYZ color 13.0392, 6.7343,

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

13.0392, 6.7343, 20.6913

Protanopia

8.1501, 6.9678, 31.4872

Deuteranopia

7.1729, 7.0412, 18.7503



Tritanopia

9.7574, 6.8347, 4.6759

Trichromacy



Original Color

13.0392, 6.7343, 20.6913

Protanomaly

7.5255, 5.2563, 27.0035

Deuteranomaly

8.1312, 5.8781, 19.4449

Tritanomaly

10.5193, 6.4761, 8.6782

Monochromacy



Original Color

13.0392, 6.7343, 20.6913

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.0219, 5.1096, 9.8487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0392, 6.7343, 20.6913 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(128, 23, 127)` looks like.

```
.text, #text, p{  
    color:rgb(128, 23, 127)  
}
```

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(128, 23, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 23, 127) }
```

Border

The CSS property to change the border of an element to XYZ 13.0392, 6.7343, 20.6913 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(128, 23, 127) }
```


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

```
.border{ border-color:rgb(128, 23, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 23, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 23, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 23, 127);  
box-shadow:4px 4px 4px 4px rgb(128, 23,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0392, 6.7343, 20.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 23, 127) }
```

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

```
.background{ background-color: rgb(128, 23,  
127) }
```

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