

Converting Colors

XYZ(20.0027, 11.4272, 31.1594)

Have a look what the booklet for
XYZ(20.0027, 11.4272, 31.1594)
contains.

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Color

**XYZ(20.0705, 11.4399,
31.2873)**

Conversions

Conversions Part 1

Format	Color
Hex	993399
RGB	153, 51, 153
RGB Percent	60%, 20%, 60%
CMY	0.4000, 0.8000, 0.4000
CMYK	0.00, 0.67, 0.00, 0.40
HSL	300°, 50%, 40%
HSV	300°, 67%, 60%
XYZ	20.0705, 11.4399, 31.2873
YIQ	93.1260, 28.0500, 53.3460

Conversions

Conversions Part 2

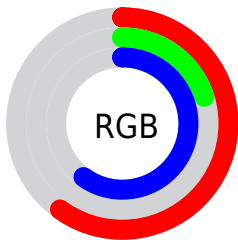
Format	Color
R_{YB}	153, 51, 153
Decimal	10040217
CIE _{Lab}	40.31, 55.02, -34.89
CIE _{LCh}	40, 65.150, 327.622
Yxy	11.4399, 0.3196, 0.1822
Android (android.graphics.Color)	4288230297 (0xFF993399)
YUV	93.1260, 29.5179, 52.5095
Hunter-Lab	33.8229, 46.7317, -31.1691

Details

The XYZ color **20.0705, 11.4399, 31.2873** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.3546, 23.7258, 7.0083**, and the grayscale version is **10.3632, 10.9028, 11.8732**.

A 20% lighter version of the original color is **43.1175, 28.5638, 62.9153**, and **7.3860, 3.5363, 12.6052** is the 20% darker color. If you saturate the color by 10%, you get **19.5089, 10.3163, 31.1001**, and if you desaturate by 10%, it is **20.8530, 13.0045, 31.5483**.

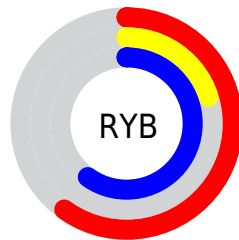
Distribution



Red (60%)

Green (20%)

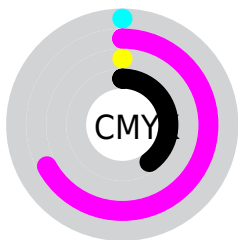
Blue (60%)



Red (60%)

Yellow (20%)

Blue (60%)

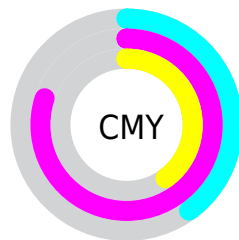


Cyan (0%)

Magenta (67%)

Yellow (0%)

Black (40%)



Cyan (40%)

Magenta (80%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0705, 11.4399, 31.2873 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 20.0705, 11.4399, 31.2873 by changing the saturation by 10% instead.

■ 20.0705, 11.4399,
31.2873

■ 20.0705, 11.4399,
31.2873

245.1228,
200.6612, 322.2518

■ 12.5549, 6.3635,
20.5574

■ 43.0384, 28.4708,
62.7770

■ 7.1976, 3.0674,
12.6128

■ 59.2214, 41.1941,
84.3739

■ 3.6334, 1.1670,
7.0349

■ 79.0241, 57.2352,
110.4302

■ 1.4969, 0.0345,
3.4051

■ 102.8121, 76.9785,
141.3644

■ 0.3237, 0.0000,
1.3050

■ 130.9506,
100.8083, 177.5952

■ 0.0000, 0.0000,
0.0659

■ 163.8050,

■ 0.0000, 0.0000,

129.1091, 219.5410

0.0000

201.7406,
162.2653, 267.6203

■ 20.0705, 11.4399,
31.2873

■ 20.0705, 11.4399,
31.2873

■ 19.5089, 10.3163,
31.1001

■ 20.8530, 13.0045,
31.5483

■ 19.1442, 9.5870,
30.9785

■ 21.8745, 15.0476,
31.8888

■ 18.9423, 9.1831,
30.9112

■ 23.1529, 17.6042,
32.3150

■ 18.8869, 9.0723,
30.8927

■ 24.7038, 20.7061,
32.8320

■ 26.5418, 24.3820,
33.4447

■ 28.6802, 28.6590,
34.1576

■ 31.1319, 33.5622,
34.9748

■ 33.9085, 39.1154,
35.9004

■ 37.0214, 45.3412,
36.9381

Harmonies

Analogous

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



15.4588, 11.4399, 50.5009



20.0705, 11.4399, 31.2873



22.1771, 11.4399, 13.5259

Triad

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



20.0705, 11.4399, 31.2873



11.2407, 11.4399, 0.3083



4.8143, 11.4399, 28.0739

Complementary

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



20.0705, 11.4399, 31.2873



13.3546, 23.7258, 7.0083

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.



4.2616, 11.4399, 11.4443



20.0705, 11.4399, 31.2873



7.2981, 11.4399, 0.8235

Square

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



20.0705, 11.4399, 31.2873



16.2682, 11.4399, 1.0133



5.0284, 11.4399, 3.2754



6.8263, 11.4399, 47.9013

Rectangle

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



20.0705, 11.4399, 31.2873



21.5348, 11.4399, 6.3026



5.0284, 11.4399, 3.2754



4.4812, 11.4399, 21.6938

Sweetspot

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



20.0709, 11.4404, 31.2875



46.2426, 41.0849, 59.4647



8.2994, 5.3720, 30.7370



10.0243, 8.6990, 13.0682



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.0709, 11.4404, 31.2875



34.5751, 17.7501, 55.5751



16.7196, 10.0999, 13.6394



6.4612, 6.3237, 7.8090



15.6094, 7.4980, 25.5319



0.2334, 0.1121, 0.3817

Inverse Universe

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



20.0709, 11.4404, 31.2875



34.5751, 17.7501, 55.5751



15.1553, 24.4461, 16.4910



6.4612, 6.3237, 7.8090



15.6094, 7.4980, 25.5319



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 20.0705, 11.4399, 31.2873 looks on a white background.

Color Contrast Check

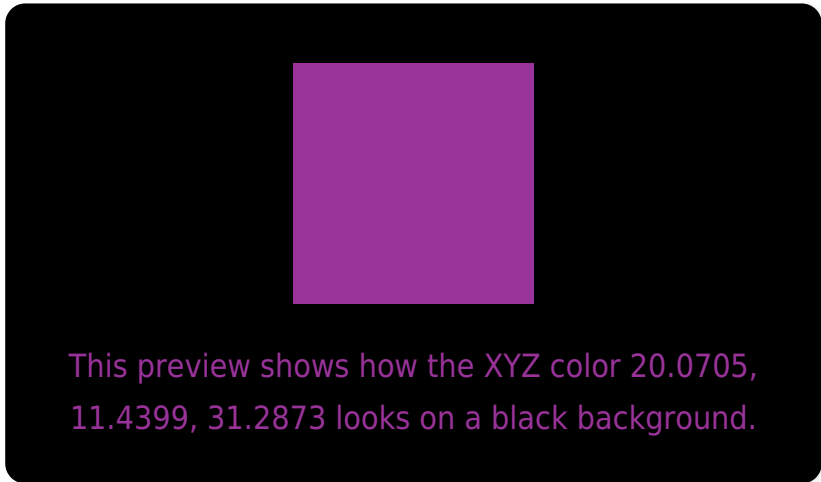
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

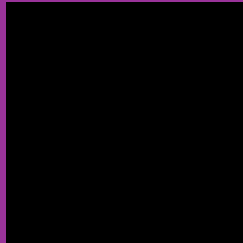
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0705, 11.4399, 31.2873

Background



This preview shows how black text looks on a background with the XYZ color 20.0705, 11.4399, 31.2873.



This preview shows how white text looks on a background with the XYZ color 20.0705, 11.4399,

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

20.0705, 11.4399, 31.2873

Protanopia

13.8205, 11.7069, 51.4004

Deuteranopia

11.9530, 11.6375, 28.8104



Tritanopia

15.5371, 11.4818, 8.7945

Trichromacy



Original Color

20.0705, 11.4399, 31.2873

Protanomaly

13.4374, 9.9386, 43.3296

Deuteranomaly

13.5876, 10.5286, 29.7498

Tritanomaly

16.7625, 11.2329, 14.9204

Monochromacy



Original Color

20.0705, 11.4399, 31.2873

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.8891, 10.3314, 17.5345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0705, 11.4399, 31.2873 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(153, 51, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 51, 153)  
}
```

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(153, 51, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 51, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.0705, 11.4399, 31.2873 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(153, 51, 153) }
```


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

```
.border{ border-color:rgb(153, 51, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 51, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 51, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 51, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 51,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0705, 11.4399, 31.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 51, 153) }
```

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

```
.background{ background-color: rgb(153, 51,  
153) }
```

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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