

Converting Colors

XYZ(20.9486, 13.3858, 31.0121)

Have a look what the booklet for
XYZ(20.9486, 13.3858, 31.0121)
contains.

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Color

**XYZ(20.9945, 13.4196,
31.1895)**

Conversions

Conversions Part 1

Format	Color
Hex	994698
RGB	153, 70, 152
RGB Percent	60%, 27%, 60%
CMY	0.4000, 0.7255, 0.4039
CMYK	0.00, 0.54, 0.01, 0.40
HSL	301°, 37%, 44%
HSV	301°, 54%, 60%
XYZ	20.9945, 13.4196, 31.1895
YIQ	104.1650, 23.1460, 43.0980

Conversions

Conversions Part 2

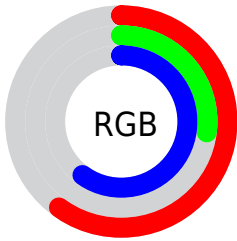
Format	Color
R_{YB}	153, 70, 152
Decimal	10045080
CIE _{Lab}	43.39, 46.26, -29.45
CIE _{LCh}	43, 54.835, 327.522
Yxy	13.4196, 0.3200, 0.2046
Android (android.graphics.Color)	4288235160 (0xFF994698)
YUV	104.1650, 23.5827, 42.8283
Hunter-Lab	36.6328, 38.1923, -24.8371

Details

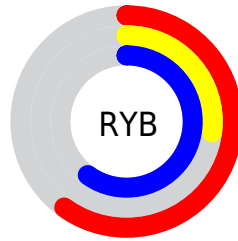
The XYZ color **20.9945, 13.4196, 31.1895** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.0549, 24.5400, 9.9052**, and the grayscale version is **13.1372, 13.8214, 15.0515**.

A 20% lighter version of the original color is **44.5165, 31.9794, 62.8578**, and **7.6516, 3.9063, 12.6626** is the 20% darker color. If you saturate the color by 10%, you get **20.1416, 11.7377, 30.8309**, and if you desaturate by 10%, it is **22.0922, 15.5904, 31.6301**.

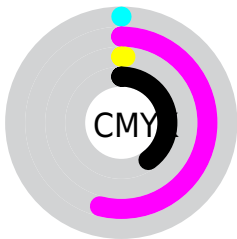
Distribution



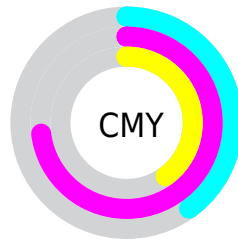
- Red (60%)
- Green (27%)
- Blue (60%)



- Red (60%)
- Yellow (27%)
- Blue (60%)



- Cyan (0%)
- Magenta (54%)
- Yellow (1%)
- Black (40%)



- Cyan (40%)
- Magenta (73%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9945, 13.4196, 31.1895 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 20.9945, 13.4196, 31.1895 by changing the saturation by 10% instead.

20.9945, 13.4196,
31.1895

20.9945, 13.4196,
31.1895

249.9815,
213.5896, 321.7886

13.2324, 7.7181,
20.4835

44.5697, 32.0556,
62.6214

7.6669, 3.9151,
12.5594

61.1136, 45.7589,
84.1843

3.9325, 1.6262,
6.9987

81.3154, 62.8982,
110.2034

1.6640, 0.3752,
3.3829

105.5406, 83.8580,
141.0970

0.4336, 0.0000,
1.2933

134.1544,
109.0227, 177.2838

0.0000, 0.0000,
0.0563

167.5223,

0.0000, 0.0000,

138.7765, 219.1823

0.0000

206.0095,
173.5041, 267.2111

■ 20.9945, 13.4196,
31.1895

■ 20.9945, 13.4196,
31.1895

■ 20.1416, 11.7377,
30.8309

■ 22.0922, 15.5904,
31.6301

■ 19.5132, 10.5050,
30.5470

■ 23.4502, 18.2822,
32.1575

■ 19.0881, 9.6789,
30.3311

■ 25.0843, 21.5263,
32.7770

■ 18.8399, 9.2064,
30.1742

■ 27.0090, 25.3512,
33.4935

■ 18.7357, 9.0119,
30.0969

■ 29.2372, 29.7833,
34.3113

■ 31.7815, 34.8476,
35.2345

■ 34.6537, 40.5675,
36.2672

■ 37.8648, 46.9652,
37.4130

■ 41.4254, 54.0620,
38.6754

Harmonies

Analogous

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



16.9298, 13.4196, 46.8823



20.9945, 13.4196, 31.1895



22.8216, 13.4196, 15.6503

Triad

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



20.9945, 13.4196, 31.1895



13.1126, 13.4196, 1.4689



6.7792, 13.4196, 28.3649

Complementary

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



20.9945, 13.4196, 31.1895



15.0549, 24.5400, 9.9052

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.



6.1934, 13.4196, 13.6200



20.9945, 13.4196, 31.1895



9.3299, 13.4196, 2.1153

Square

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



20.9945, 13.4196, 31.1895



17.6821, 13.4196, 2.4076



7.0145, 13.4196, 5.2836



8.8403, 13.4196, 44.7088

Rectangle

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



20.9945, 13.4196, 31.1895



22.2768, 13.4196, 8.6223



7.0145, 13.4196, 5.2836



6.4265, 13.4196, 22.8800

Sweetspot

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



20.9950, 13.4202, 31.1898



47.6120, 43.8948, 59.7020



10.4663, 7.9830, 31.1266



10.3671, 9.4020, 13.1285



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.



20.9950, 13.4202, 31.1898



35.8101, 20.5076, 55.0998



18.2244, 12.3120, 16.6003



6.4580, 6.3224, 7.7920



15.4855, 7.4484, 24.8792



0.2324, 0.1117, 0.3766

Inverse Universe

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



20.9950, 13.4202, 31.1898



35.8101, 20.5076, 55.0998



16.8144, 25.2438, 19.1707



6.4580, 6.3224, 7.7920



15.4855, 7.4484, 24.8792



0.2324, 0.1117, 0.3766

Previews

White Background



This preview shows how the XYZ color 20.9945, 13.4196, 31.1895 looks on a white background.

Color Contrast Check

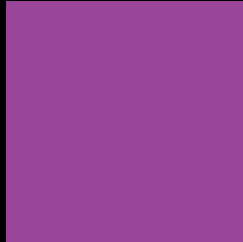
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.9945, 13.4196, 31.1895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

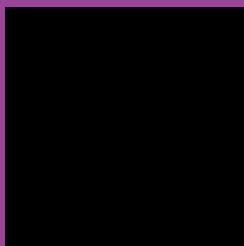
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9945, 13.4196, 31.1895

Background



This preview shows how black text looks on a background with the XYZ color 20.9945, 13.4196, 31.1895.



This preview shows how white text looks on a background with the XYZ color 20.9945, 13.4196,

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

20.9945, 13.4196, 31.1895

Protanopia

15.1743, 13.7910, 44.5100

Deuteranopia

13.8702, 13.6043, 29.0890



Tritanopia

17.0343, 13.3807, 11.8101

Trichromacy



Original Color

20.9945, 13.4196, 31.1895

Protanomaly

15.9632, 12.8296, 39.1711

Deuteranomaly

15.5570, 12.8300, 29.6735

Tritanomaly

18.3003, 13.3418, 17.5303

Monochromacy



Original Color

20.9945, 13.4196, 31.1895

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.3044, 13.1723, 19.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9945, 13.4196, 31.1895 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, 70, 152)` looks like.

```
.text, #text, p{  
    color:rgb(153, 70, 152)  
}
```

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, 70, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 70, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.9945, 13.4196, 31.1895 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, 70, 152) }
```


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

```
.border{ border-color:rgb(153, 70, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 70, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 70, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 70, 152);  
box-shadow:4px 4px 4px 4px rgb(153, 70,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9945, 13.4196, 31.1895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 70, 152) }
```

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

```
.background{ background-color: rgb(153, 70,  
152) }
```

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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