

Converting Colors

XYZ(24.9951, 20.0166, 33.1181)

Have a look what the booklet for
XYZ(24.9951, 20.0166, 33.1181)
contains.

XYZ(24.9951, 20.0166, 33.1181)	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(24.9951, 20.0166,
33.1181)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6B9A
RGB	157, 107, 154
RGB Percent	62%, 42%, 60%
CMY	0.3843, 0.5804, 0.3961
CMYK	0.00, 0.32, 0.02, 0.38
HSL	304°, 20%, 52%
HSV	304°, 32%, 62%
XYZ	24.9951, 20.0166, 33.1181
YIQ	127.3080, 14.7130, 25.2170

Conversions

Conversions Part 2

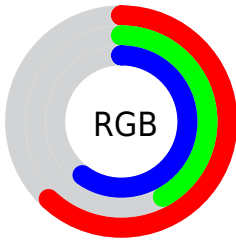
Format	Color
R _Y B	157, 107, 154
Decimal	10316698
CIE Lab	51.86, 27.86, -17.51
CIE LCh	52, 32.902, 327.847
Yxy	20.0166, 0.3199, 0.2562
Android (android.graphics.Color)	4288506778 (0xFF9D6B9A)
YUV	127.3080, 13.1592, 26.0399
Hunter-Lab	44.7399, 21.4287, -12.5707

Details

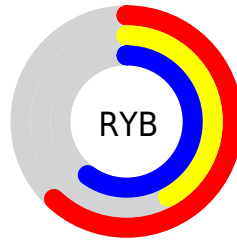
The XYZ color **24.9951, 20.0166, 33.1181** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9357, 28.3662, 19.1248**, and the grayscale version is **20.2318, 21.2855, 23.1799**.

A 20% lighter version of the original color is **50.9347, 43.3474, 65.3568**, and **9.7869, 7.0086, 13.6689** is the 20% darker color. If you saturate the color by 10%, you get **23.4266, 17.0042, 32.2098**, and if you desaturate by 10%, it is **26.8627, 23.6254, 34.1296**.

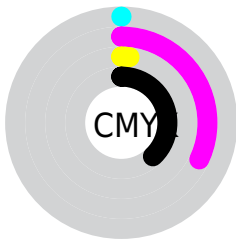
Distribution



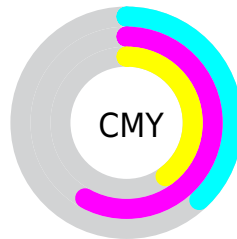
- Red (62%)
- Green (42%)
- Blue (60%)



- Red (62%)
- Yellow (42%)
- Blue (60%)



- Cyan (0%)
- Magenta (32%)
- Yellow (2%)
- Black (38%)



- Cyan (38%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9951, 20.0166, 33.1181 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 24.9951, 20.0166, 33.1181 by changing the saturation by 10% instead.

■ 24.9951, 20.0166,
33.1181

■ 24.9951, 20.0166,
33.1181

270.1616,
252.0050, 330.8299

■ 16.2021, 12.4071,
21.9451

■ 51.0922, 43.4450,
65.6780

■ 9.7590, 7.0216,
13.6186

■ 69.1271, 60.0327,
87.9020

■ 5.3005, 3.4756,
7.7202

■ 90.9733, 80.3820,
114.6466

■ 2.4612, 1.3848,
3.8312

■ 116.9961,
104.8771, 146.3306

■ 0.8757, 0.2055,
1.5332

147.5611,
133.9026, 183.3724

■ 0.0000, 0.0000,
0.2425

183.0334,

■ 0.0000, 0.0000,

167.8428, 226.1905

0.0000

223.7784,
207.0822, 275.2035

■ 24.9951, 20.0166,
33.1181

■ 24.9951, 20.0166,
33.1181

■ 23.4266, 17.0042,
32.2098

■ 26.8627, 23.6254,
34.1296

■ 22.1391, 14.5534,
31.3980

■ 29.0424, 27.8577,
35.2479

■ 21.1157, 12.6298,
30.6773

■ 31.5487, 32.7422,
36.4781

■ 20.3369, 11.1942,
30.0411

■ 34.3946, 38.3050,
37.8246

■ 19.7801, 10.2020,
29.4819

■ 37.5925, 44.5707,
39.2915

■ 19.4191, 9.6002,
28.9910

■ 41.1541, 51.5628,
40.8827

■ 19.2169, 9.2930,
28.6236

■ 45.0905, 59.3037,
42.6020

■ 49.4126, 67.8146,
44.4528

■ 54.1304, 77.1163,
46.4387

Harmonies

Analogous

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



22.1846, 20.0166, 42.4312



24.9951, 20.0166, 33.1181



26.1894, 20.0166, 22.4929

Triad

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



24.9951, 20.0166, 33.1181



19.2674, 20.0166, 8.0999



13.8941, 20.0166, 31.5615

Complementary

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



24.9951, 20.0166, 33.1181



20.9357, 28.3662, 19.1248

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.



13.3034, 20.0166, 21.1111



24.9951, 20.0166, 33.1181



16.1809, 20.0166, 9.2439

Square

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



24.9951, 20.0166, 33.1181



22.6507, 20.0166, 9.6394



14.0906, 20.0166, 13.4004



15.8087, 20.0166, 41.3632

Rectangle

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



24.9951, 20.0166, 33.1181



25.8145, 20.0166, 16.6310



14.0906, 20.0166, 13.4004



13.5447, 20.0166, 27.9297

Sweetspot

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



24.9957, 20.0175, 33.1185



52.7121, 51.2535, 63.4746



17.7128, 16.2337, 34.0987



11.4774, 11.0415, 13.9065



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.9957, 20.0175, 33.1185



42.7735, 32.0218, 58.1713



23.1589, 19.2827, 23.4458



6.8870, 6.7477, 8.2559



15.6123, 7.5495, 23.2729



0.2838, 0.1368, 0.4406

Inverse Universe

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



24.9957, 20.0175, 33.1185



42.7735, 32.0218, 58.1713



22.4592, 28.9756, 27.1475



6.8870, 6.7477, 8.2559



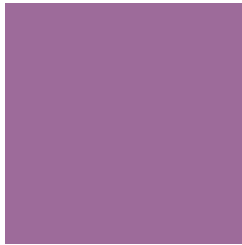
15.6123, 7.5495, 23.2729



0.2838, 0.1368, 0.4406

Previews

White Background



This preview shows how the XYZ color 24.9951, 20.0166, 33.1181 looks on a white 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

Black Background



This preview shows how the XYZ color 24.9951, 20.0166, 33.1181 looks on a black 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

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

XYZ 24.9951, 20.0166, 33.1181

Background



This preview shows how black text looks on a background with the XYZ color 24.9951, 20.0166, 33.1181.



This preview shows how white text looks on a background with the XYZ color 24.9951, 20.0166,

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

24.9951, 20.0166, 33.1181

Protanopia

20.4332, 20.0804, 38.3963

Deuteranopia

20.4493, 20.0467, 32.0698



Tritanopia

22.5548, 19.9877, 21.0816

Trichromacy



Original Color

24.9951, 20.0166, 33.1181

Protanomaly

21.6964, 19.8850, 36.4129

Deuteranomaly

21.9046, 19.9087, 32.3940

Tritanomaly

23.3139, 19.9601, 25.1782

Monochromacy



Original Color

24.9951, 20.0166, 33.1181

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.7131, 20.6424, 26.5069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9951, 20.0166, 33.1181 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(157, 107, 154)` looks like.

```
.text, #text, p{  
    color:rgb(157, 107, 154)  
}
```

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(157, 107, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 107, 154) }
```

Border

The CSS property to change the border of an element to XYZ 24.9951, 20.0166, 33.1181 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(157, 107, 154) }
```


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

```
.border{ border-color:rgb(157, 107, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 107, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 107, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 107, 154);  
box-shadow:4px 4px 4px 4px rgb(157, 107,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9951, 20.0166, 33.1181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 107, 154) }
```

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

```
.background{ background-color: rgb(157,  
107, 154) }
```

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