

Converting Colors

XYZ(21.8184, 16.5014, 32.2309)

Have a look what the booklet for
XYZ(21.8184, 16.5014, 32.2309)
contains.

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Color

**XYZ(21.7851, 16.5084,
32.1752)**

Conversions

Conversions Part 1

Format	Color
Hex	935E99
RGB	147, 94, 153
RGB Percent	58%, 37%, 60%
CMY	0.4235, 0.6314, 0.4000
CMYK	0.04, 0.39, 0.00, 0.40
HSL	294°, 24%, 48%
HSV	294°, 39%, 60%
XYZ	21.7851, 16.5084, 32.1752
YIQ	116.5730, 12.6490, 29.5850

Conversions

Conversions Part 2

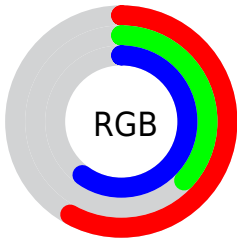
Format	Color
R_{YB}	147, 94, 153
Decimal	9658009
CIE _{Lab}	47.63, 31.71, -23.50
CIE _{LCh}	48, 39.465, 323.455
Yxy	16.5084, 0.3091, 0.2343
Android (android.graphics.Color)	4287848089 (0xFF935E99)
YUV	116.5730, 17.9585, 26.6845
Hunter-Lab	40.6305, 24.6039, -18.5102

Details

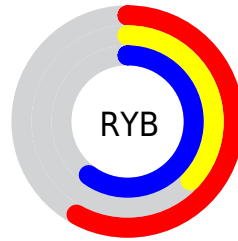
The XYZ color **21.7851, 16.5084, 32.1752** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.6677, 26.3003, 14.6831**, and the grayscale version is **16.7208, 17.5915, 19.1572**.

A 20% lighter version of the original color is **45.8677, 37.3614, 64.4685**, and **8.0946, 5.3462, 13.1757** is the 20% darker color. If you saturate the color by 10%, you get **20.2801, 13.9095, 31.7531**, and if you desaturate by 10%, it is **23.5646, 19.6501, 32.6881**.

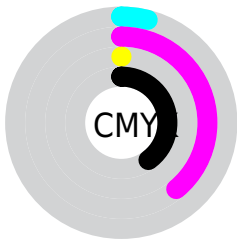
Distribution



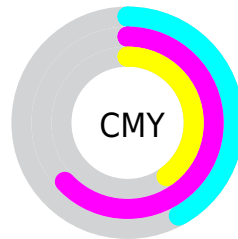
- Red (58%)
- Green (37%)
- Blue (60%)



- Red (58%)
- Yellow (37%)
- Blue (60%)



- Cyan (4%)
- Magenta (39%)
- Yellow (0%)
- Black (40%)



- Cyan (42%)
- Magenta (63%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7851, 16.5084, 32.1752 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 21.7851, 16.5084, 32.1752 by changing the saturation by 10% instead.

■ 21.7851, 16.5084,
32.1752

■ 21.7851, 16.5084,
32.1752

254.0755,
232.3233, 326.4339

■ 13.8148, 9.8846,
21.2294

■ 45.8721, 37.4786,
64.1867

■ 8.0728, 5.3225,
13.0989

■ 62.7194, 52.5938,
86.0896

■ 4.1938, 2.4377,
7.3652

■ 83.2565, 71.3082,
112.4819

■ 1.8123, 0.8452,
3.6096

■ 107.8487, 94.0064,
143.7822

■ 0.5251, 0.0000,
1.4137

136.8613,
121.0725, 180.4089

■ 0.0000, 0.0000,
0.1524

170.6598,

■ 0.0000, 0.0000,

152.8911, 222.7808

0.0000

209.6094,
189.8466, 271.3163

■ 21.7851, 16.5084,
32.1752

■ 21.7851, 16.5084,
32.1752

■ 20.2801, 13.9095,
31.7531

■ 23.5646, 19.6501,
32.6881

■ 19.0320, 11.8191,
31.4154

■ 25.6318, 23.3618,
33.2955

■ 18.0236, 10.2026,
31.1566

■ 28.0008, 27.6715,
34.0025

■ 17.2349, 9.0200,
30.9699

■ 30.6844, 32.6047,
34.8133

■ 16.6427, 8.2247,
30.8476

■ 33.6946, 38.1855,
35.7318

■ 16.1997, 7.7226,
30.7740

■ 37.0429, 44.4367,
36.7620

■ 16.1389, 7.6557,
30.7643

■ 40.7400, 51.3799,
37.9073

■ 44.7964, 59.0358,
39.1712

■ 49.2219, 67.4242,
40.5571

Harmonies

Analogous

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



18.5438, 16.5084, 42.2865



21.7851, 16.5084, 32.1752



23.4270, 16.5084, 20.2777

Triad

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



21.7851, 16.5084, 32.1752



16.4755, 16.5084, 4.7706



10.2616, 16.5084, 26.8533

Complementary

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



21.7851, 16.5084, 32.1752



18.6677, 26.3003, 14.6831

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.



9.8781, 16.5084, 15.8533



21.7851, 16.5084, 32.1752



13.1464, 16.5084, 5.4066

Square

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



21.7851, 16.5084, 32.1752



20.0790, 16.5084, 6.4612



10.8543, 16.5084, 8.7221



11.9935, 16.5084, 38.4949

Rectangle

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



21.7851, 16.5084, 32.1752



23.2423, 16.5084, 13.8288



10.8543, 16.5084, 8.7221



9.9826, 16.5084, 22.8763

Sweetspot

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



21.7856, 16.5091, 32.1756



48.5215, 46.5906, 60.4075



15.0090, 13.9652, 32.0417



10.6045, 10.0883, 13.3058



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.



21.7856, 16.5091, 32.1756



36.7317, 25.6143, 56.9801



21.1952, 16.4005, 23.3033



6.3993, 6.2917, 7.8061



13.3545, 6.3355, 25.4267



0.2151, 0.1027, 0.3809

Inverse Universe

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



19.4404, 15.6986, 14.0629



32.0206, 24.0062, 19.6864



19.1963, 26.4379, 20.8037



6.2331, 6.2324, 6.6074



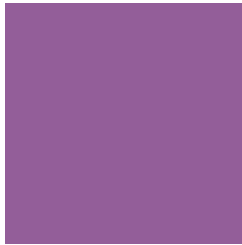
10.9385, 5.6296, 0.9350



0.1694, 0.0865, 0.0450

Previews

White Background



This preview shows how the XYZ color 21.7851, 16.5084, 32.1752 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 21.7851, 16.5084, 32.1752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

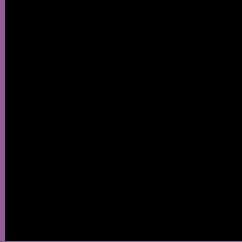
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7851, 16.5084, 32.1752

Background



This preview shows how black text looks on a background with the XYZ color 21.7851, 16.5084, 32.1752.

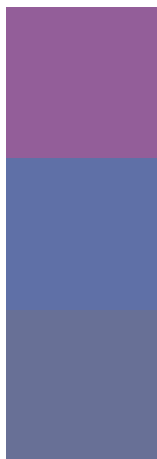


This preview shows how white text looks on a background with the XYZ color 21.7851, 16.5084,

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

21.7851, 16.5084, 32.1752

Protanopia

17.4885, 16.8113, 38.8824

Deuteranopia

17.0081, 16.7334, 31.1876



Tritanopia

18.7040, 16.5109, 17.2400

Trichromacy



Original Color

21.7851, 16.5084, 32.1752

Protanomaly

18.5126, 16.2892, 36.3508

Deuteranomaly

18.3832, 16.3306, 31.4614

Tritanomaly

19.6508, 16.4603, 21.8801

Monochromacy



Original Color

21.7851, 16.5084, 32.1752

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.4000, 17.1382, 23.4573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7851, 16.5084, 32.1752 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(147, 94, 153)` looks like.

```
.text, #text, p{  
    color:rgb(147, 94, 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(147, 94, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 94, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.7851, 16.5084, 32.1752 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(147, 94, 153) }
```


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

```
.border{ border-color:rgb(147, 94, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 94, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 94, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 94, 153);  
box-shadow:4px 4px 4px 4px rgb(147, 94,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7851, 16.5084, 32.1752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 94, 153) }
```

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

```
.background{ background-color: rgb(147, 94,  
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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