

Converting Colors

XYZ(24.6701, 20.1443, 33.3860)

Have a look what the booklet for
XYZ(24.6701, 20.1443, 33.3860)
contains.

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Color

**XYZ(24.7115, 20.1739,
33.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6D9B
RGB	154, 109, 155
RGB Percent	60%, 43%, 61%
CMY	0.3961, 0.5725, 0.3922
CMYK	0.01, 0.30, 0.00, 0.39
HSL	299°, 19%, 52%
HSV	299°, 30%, 61%
XYZ	24.7115, 20.1739, 33.6019
YIQ	127.6990, 12.0540, 23.8460

Conversions

Conversions Part 2

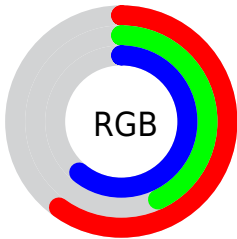
Format	Color
R_{YB}	154, 109, 155
Decimal	10120603
CIE _{Lab}	52.03, 25.88, -17.86
CIE _{LCh}	52, 31.438, 325.391
Yxy	20.1739, 0.3148, 0.2570
Android (android.graphics.Color)	4288310683 (0xFF9A6D9B)
YUV	127.6990, 13.4594, 23.0660
Hunter-Lab	44.9154, 19.6051, -12.9150

Details

The XYZ color **24.7115, 20.1739, 33.6019** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9128, 27.8624, 18.7448**, and the grayscale version is **20.3662, 21.4268, 23.3338**.

A 20% lighter version of the original color is **50.6722, 43.6982, 66.7366**, and **9.5940, 7.0560, 13.9530** is the 20% darker color. If you saturate the color by 10%, you get **23.1378, 17.1211, 33.0959**, and if you desaturate by 10%, it is **26.5783, 23.8117, 34.2060**.

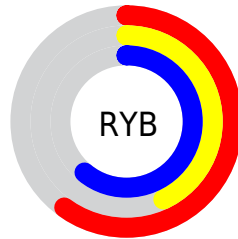
Distribution



Red (60%)

Green (43%)

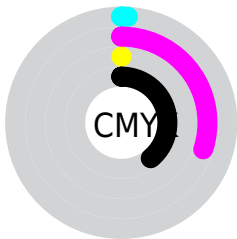
Blue (61%)



Red (60%)

Yellow (43%)

Blue (61%)

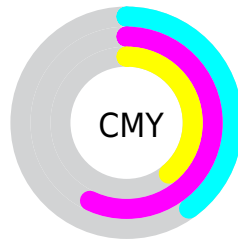


Cyan (1%)

Magenta (30%)

Yellow (0%)

Black (39%)



Cyan (40%)


Magenta (57%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7115, 20.1739, 33.6019 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 24.7115, 20.1739, 33.6019 by changing the saturation by 10% instead.


 24.7115, 20.1739,
33.6019

 24.7115, 20.1739,
33.6019


268.7723,
252.8550, 333.0681


 15.9898, 12.5215,
22.3131


 50.6351, 43.7085,
66.4409


 9.6078, 7.0999,
13.8866


 68.5677, 60.3596,
88.8282

 5.1999, 3.5247,
7.9040


 90.3013, 80.7790,
115.7520

 2.4010, 1.4114,
3.9467

 116.2014,
105.3511, 147.6308

 0.8456, 0.2251,
1.5961

146.6331,
134.4604, 184.8834

 0.0000, 0.0000,
0.2881

181.9620,

 0.0000, 0.0000,

168.4912, 227.9280

0.0000

222.5533,
207.8279, 277.1834

■ 24.7115, 20.1739,
33.6019

■ 24.7115, 20.1739,
33.6019

■ 23.1378, 17.1211,
33.0959

■ 26.5783, 23.8117,
34.2060

■ 21.8399, 14.6201,
32.6815

■ 28.7503, 28.0603,
34.9116

■ 20.8017, 12.6382,
32.3537

■ 31.2417, 32.9471,
35.7235

■ 20.0047, 11.1385,
32.1063

■ 34.0647, 38.4970,
36.6459

■ 19.4280, 10.0791,
31.9322

■ 37.2312, 44.7337,
37.6829

■ 19.0470, 9.4107,
31.8232

■ 40.7526, 51.6797,
38.8380

■ 18.8041, 9.0185,
31.7603

■ 44.6394, 59.3564,
40.1149

■ 18.7966, 9.0066,
31.7584

■ 48.9019, 67.7844,
41.5170

■ 53.5502, 76.9833,
43.0476

Harmonies

Analogous

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



21.9425, 20.1739, 42.0969



24.7115, 20.1739, 33.6019



26.0021, 20.1739, 23.4159

Triad

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



24.7115, 20.1739, 33.6019



19.6745, 20.1739, 8.6455



14.1256, 20.1739, 30.4430

Complementary

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



24.7115, 20.1739, 33.6019



20.9128, 27.8624, 18.7448

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.



13.6611, 20.1739, 20.5771



24.7115, 20.1739, 33.6019



16.6500, 20.1739, 9.5617

Square

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



24.7115, 20.1739, 33.6019



22.8950, 20.1739, 10.4002



14.5336, 20.1739, 13.3841



15.8810, 20.1739, 39.9450

Rectangle

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



24.7115, 20.1739, 33.6019



25.7563, 20.1739, 17.6039



14.5336, 20.1739, 13.3841



13.8222, 20.1739, 26.9949

Sweetspot

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



24.7121, 20.1748, 33.6023



51.6976, 50.6625, 62.5904



17.8576, 16.8861, 33.3288



11.5725, 11.2145, 14.1250



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.



24.7121, 20.1748, 33.6023



42.2222, 32.1818, 59.5227



23.2575, 19.6150, 24.9450



6.4479, 6.3168, 7.8084



15.1018, 7.2363, 25.5085



0.2294, 0.1100, 0.3815

Inverse Universe

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



21.8014, 19.0326, 17.2774



36.1125, 29.7868, 25.1430



22.0894, 28.3187, 25.5863



6.2140, 6.2247, 6.5069



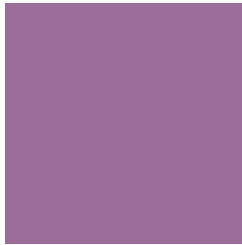
10.8741, 5.6039, 0.5960



0.1638, 0.0843, 0.0156

Previews

White Background



This preview shows how the XYZ color 24.7115, 20.1739, 33.6019 looks on a white background.

Color Contrast Check

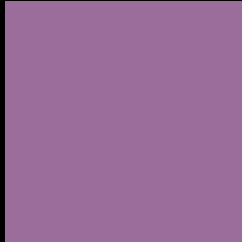
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7115, 20.1739, 33.6019 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 24.7115, 20.1739, 33.6019

Background



This preview shows how black text looks on a background with the XYZ color 24.7115, 20.1739, 33.6019.



This preview shows how white text looks on a background with the XYZ color 24.7115, 20.1739,

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

24.7115, 20.1739, 33.6019

Protanopia

20.6845, 20.3932, 38.4434

Deuteranopia

20.7353, 20.3566, 32.9733



Tritanopia

22.3465, 20.2007, 21.7901

Trichromacy



Original Color

24.7115, 20.1739, 33.6019

Protanomaly

21.8135, 20.1193, 36.4519

Deuteranomaly

22.0255, 20.1240, 33.2953

Tritanomaly

23.0408, 20.1388, 25.5945

Monochromacy



Original Color

24.7115, 20.1739, 33.6019

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.7413, 20.8281, 26.9191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7115, 20.1739, 33.6019 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(154, 109, 155)` looks like.

```
.text, #text, p{  
    color:rgb(154, 109, 155)  
}
```

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(154, 109, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 109, 155) }
```

Border

The CSS property to change the border of an element to XYZ 24.7115, 20.1739, 33.6019 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(154, 109, 155) }
```


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

```
.border{ border-color:rgb(154, 109, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 109, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 109, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 109, 155);  
box-shadow:4px 4px 4px 4px rgb(154, 109,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7115, 20.1739, 33.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 109, 155) }
```

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

```
.background{ background-color: rgb(154,  
109, 155) }
```

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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