

Converting Colors

XYZ(20.7729, 16.8651, 29.6666)

Have a look what the booklet for
XYZ(20.7729, 16.8651, 29.6666)
contains.

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Color

**XYZ(20.8081, 16.8836,
29.7659)**

Conversions

Conversions Part 1

Format	Color
Hex	8D6493
RGB	141, 100, 147
RGB Percent	55%, 39%, 58%
CMY	0.4471, 0.6078, 0.4235
CMYK	0.04, 0.32, 0.00, 0.42
HSL	292°, 19%, 48%
HSV	292°, 32%, 58%
XYZ	20.8081, 16.8836, 29.7659
YIQ	117.6170, 9.3490, 23.3090

Conversions

Conversions Part 2

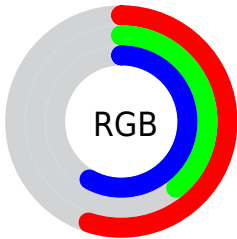
Format	Color
R _Y B	141, 100, 147
Decimal	9266323
CIE Lab	48.11, 25.00, -19.26
CIE LCh	48, 31.559, 322.384
Yxy	16.8836, 0.3085, 0.2503
Android (android.graphics.Color)	4287456403 (0xFF8D6493)
YUV	117.6170, 14.4858, 20.5069
Hunter-Lab	41.0897, 18.4868, -14.1877

Details

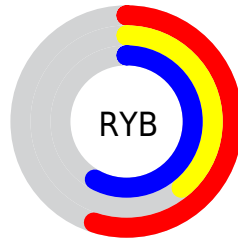
The XYZ color **20.8081, 16.8836, 29.7659** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.6784, 24.8521, 15.8698**, and the grayscale version is **17.0549, 17.9431, 19.5400**.

A 20% lighter version of the original color is **44.1149, 37.9524, 60.2588**, and **7.5558, 5.4742, 11.7247** is the 20% darker color. If you saturate the color by 10%, you get **19.2072, 14.1511, 29.3231**, and if you desaturate by 10%, it is **22.6699, 20.1292, 30.2945**.

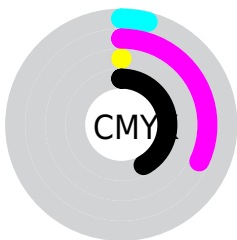
Distribution



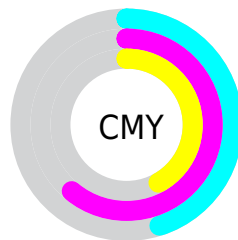
- Red (55%)
- Green (39%)
- Blue (58%)



- Red (55%)
- Yellow (39%)
- Blue (58%)



- Cyan (4%)
- Magenta (32%)
- Yellow (0%)
- Black (42%)



- Cyan (45%)
- Magenta (61%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8081, 16.8836, 29.7659 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 20.8081, 16.8836, 29.7659 by changing the saturation by 10% instead.

■ 20.8081, 16.8836,
29.7659

■ 20.8081, 16.8836,
29.7659

249.0079,
234.5007, 314.9850

■ 13.0955, 10.1515,
19.4104

■ 44.2616, 38.1255,
60.3484

■ 7.5718, 5.4995,
11.7874

■ 60.7332, 53.4042,
81.4125

■ 3.8717, 2.5432,
6.4783

■ 80.8552, 72.3005,
106.8832

■ 1.6298, 0.8982,
3.0646

■ 104.9929, 95.1989,
137.1791

■ 0.4117, 0.0000,
1.1277

133.5116,
122.4837, 172.7187

■ 0.0000, 0.0000,
0.0000

166.7768,

154.5393, 213.9205

205.1538,
191.7502, 261.2031

■ 20.8081, 16.8836,
29.7659

■ 20.8081, 16.8836,
29.7659

■ 19.2072, 14.1511,
29.3231

■ 22.6699, 20.1292,
30.2945

■ 17.8518, 11.9021,
28.9604

■ 24.8037, 23.9110,
30.9120

■ 16.7275, 10.1073,
28.6733

■ 27.2219, 28.2533,
31.6227

■ 15.8176, 8.7335,
28.4560

■ 29.9355, 33.1786,
32.4303

■ 15.1033, 7.7427,
28.3025

■ 32.9552, 38.7076,
33.3384

■ 14.5619, 7.0902,
28.2050

■ 36.2909, 44.8605,
34.3502

■ 14.2040, 6.7140,
28.1513

■ 39.9521, 51.6563,
35.4690

■ 43.9481, 59.1133,
36.6977

■ 48.2876, 67.2488,
38.0393

Harmonies

Analogous

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



18.2333, 16.8836, 37.1240



20.8081, 16.8836, 29.7659



22.1368, 16.8836, 20.5502

Triad

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



20.8081, 16.8836, 29.7659



16.7871, 16.8836, 6.7767



11.4817, 16.8836, 25.0548

Complementary

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



20.8081, 16.8836, 29.7659



18.6784, 24.8521, 15.8698

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.



11.1916, 16.8836, 16.3745



20.8081, 16.8836, 29.7659



14.0435, 16.8836, 7.3296

Square

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



20.8081, 16.8836, 29.7659



19.6424, 16.8836, 8.5192



12.0745, 16.8836, 10.3503



12.9201, 16.8836, 33.8887

Rectangle

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



20.8081, 16.8836, 29.7659



22.0385, 16.8836, 15.2092



12.0745, 16.8836, 10.3503



11.2541, 16.8836, 21.9711

Sweetspot

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



20.8086, 16.8843, 29.7663



45.1466, 44.1196, 55.5710



15.7042, 15.1798, 29.7063



10.1856, 9.8563, 12.6505



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.8086, 16.8843, 29.7663



35.2628, 26.8071, 52.7503



20.6039, 16.9235, 23.2182



5.9633, 5.8720, 7.2889



12.3284, 5.8281, 24.4062



0.1673, 0.0798, 0.2995

Inverse Universe

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



19.1918, 16.3587, 15.7824



31.9817, 25.7562, 23.6570



18.9144, 24.8670, 20.7052



5.8292, 5.8267, 6.2065



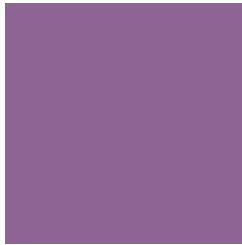
10.5374, 5.4200, 1.0451



0.1348, 0.0687, 0.0435

Previews

White Background



This preview shows how the XYZ color 20.8081, 16.8836, 29.7659 looks on a white background.

Color Contrast Check

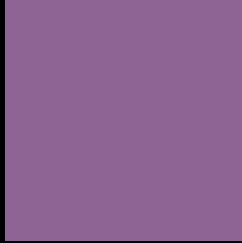
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8081, 16.8836, 29.7659 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 20.8081, 16.8836, 29.7659

Background



This preview shows how black text looks on a background with the XYZ color 20.8081, 16.8836, 29.7659.



This preview shows how white text looks on a background with the XYZ color 20.8081, 16.8836,

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

20.8081, 16.8836, 29.7659

Protanopia

17.4704, 17.0694, 34.2722

Deuteranopia

17.3354, 16.9477, 29.1456



Tritanopia

18.4019, 16.7801, 18.4887

Trichromacy



Original Color

20.8081, 16.8836, 29.7659

Protanomaly

18.3148, 16.7380, 32.4025

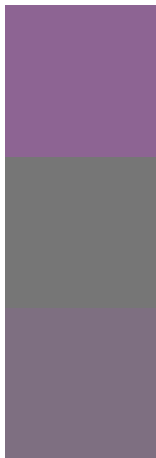
Deuteranomaly

18.4360, 16.8654, 29.4778

Tritanomaly

19.2623, 16.8362, 22.3132

Monochromacy



Original Color

20.8081, 16.8836, 29.7659

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.2511, 17.3895, 23.1634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8081, 16.8836, 29.7659 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(141, 100, 147)` looks like.

```
.text, #text, p{  
    color:rgb(141, 100, 147)  
}
```

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(141, 100, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 100, 147) }
```

Border

The CSS property to change the border of an element to XYZ 20.8081, 16.8836, 29.7659 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(141, 100, 147) }
```


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

```
.border{ border-color:rgb(141, 100, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 100, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 100, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 100, 147);  
box-shadow:4px 4px 4px 4px rgb(141, 100,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8081, 16.8836, 29.7659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 100, 147) }
```

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

```
.background{ background-color: rgb(141,  
100, 147) }
```

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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