

Converting Colors

XYZ(19.9620, 18.3367, 27.6865)

Have a look what the booklet for
XYZ(19.9620, 18.3367, 27.6865)
contains.

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Color

**XYZ(19.9620, 18.3367,
27.6865)**

Conversions

Conversions Part 1

Format	Color
Hex	83708D
RGB	131, 112, 141
RGB Percent	51%, 44%, 55%
CMY	0.4863, 0.5608, 0.4471
CMYK	0.07, 0.21, 0.00, 0.45
HSL	279°, 11%, 50%
HSV	279°, 21%, 55%
XYZ	19.9620, 18.3367, 27.6865
YIQ	120.9870, 2.0150, 13.0470

Conversions

Conversions Part 2

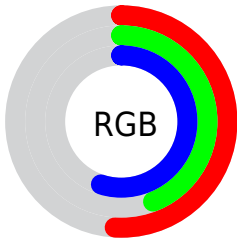
Format	Color
R_{YB}	131, 112, 141
Decimal	8614029
CIE _{Lab}	49.90, 13.15, -13.08
CIE _{LCh}	50, 18.547, 315.140
Yxy	18.3367, 0.3025, 0.2779
Android (android.graphics.Color)	4286804109 (0xFF83708D)
YUV	120.9870, 9.8664, 8.7814
Hunter-Lab	42.8214, 8.2738, -8.3595

Details

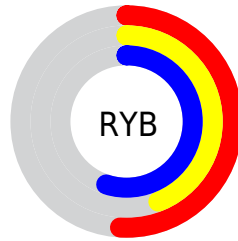
The XYZ color **19.9620, 18.3367, 27.6865** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.4760, 24.3576, 18.9523**, and the grayscale version is **18.1389, 19.0835, 20.7820**.

A 20% lighter version of the original color is **42.8930, 40.6814, 57.2214**, and **7.1151, 6.1715, 10.7137** is the 20% darker color. If you saturate the color by 10%, you get **17.7911, 15.0865, 27.1738**, and if you desaturate by 10%, it is **22.4130, 22.0940, 28.2828**.

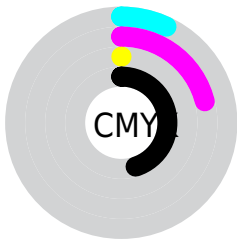
Distribution



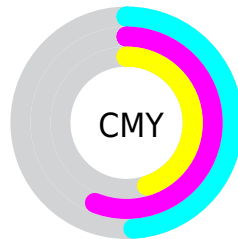
- Red (51%)
- Green (44%)
- Blue (55%)



- Red (51%)
- Yellow (44%)
- Blue (55%)



- Cyan (7%)
- Magenta (21%)
- Yellow (0%)
- Black (45%)



- Cyan (49%)
- Magenta (56%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9620, 18.3367, 27.6865 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 19.9620, 18.3367, 27.6865 by changing the saturation by 10% instead.

■ 19.9620, 18.3367,
27.6865

■ 19.9620, 18.3367,
27.6865

244.5468,
242.7621, 304.8305

■ 12.4755, 11.1920,
17.8525

■ 42.8579, 40.6102,
57.0006

■ 7.1429, 6.1961,
10.6758

■ 58.9980, 56.5078,
77.3178

■ 3.5988, 2.9647,
5.7379

■ 78.7534, 76.0918,
101.9664

■ 1.4777, 1.1133,
2.6201

■ 102.4894, 99.7467,
131.3650

■ 0.3106, 0.0000,
0.9028

130.5714,
127.8567, 165.9322

■ 0.0000, 0.0000,
0.0000

163.3648,

160.8064, 206.0865

201.2348,
198.9800, 252.2464

■ 19.9620, 18.3367,
27.6865

■ 19.9620, 18.3367,
27.6865

■ 17.7911, 15.0865,
27.1738

■ 22.4130, 22.0940,
28.2828

■ 15.8869, 12.3182,
26.7399

■ 25.1534, 26.3773,
28.9652

■ 14.2372, 10.0079,
26.3809

■ 28.1943, 31.2077,
29.7372

■ 12.8282, 8.1286,
26.0924

■ 31.5455, 36.6042,
30.6022

■ 11.6446, 6.6507,
25.8695

■ 35.2164, 42.5849,
31.5632

10.6692, 5.5404,
25.7066

39.2159, 49.1671,
32.6229

9.8819, 4.7584,
25.5972

43.5528, 56.3674,
33.7841

9.2595, 4.2181,
25.5257

48.2352, 64.2018,
35.0495

53.2712, 72.6857,
36.4216

Harmonies

Analogous

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



18.3354, 18.3367, 30.9682



19.9620, 18.3367, 27.6865



20.9407, 18.3367, 22.5794

Triad

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



19.9620, 18.3367, 27.6865



18.3187, 18.3367, 11.9282



14.3365, 18.3367, 22.6294

Complementary

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



19.9620, 18.3367, 27.6865



20.4760, 24.3576, 18.9523

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.



14.3327, 18.3367, 17.5616



19.9620, 18.3367, 27.6865



16.5520, 18.3367, 11.9369

Square

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



19.9620, 18.3367, 27.6865



19.9491, 18.3367, 13.8063



15.1189, 18.3367, 13.8327



15.1297, 18.3367, 27.7284

Rectangle

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



19.9620, 18.3367, 27.6865



21.0545, 18.3367, 19.1024



15.1189, 18.3367, 13.8327



14.2447, 18.3367, 20.8543

Sweetspot

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



19.9626, 18.3375, 27.6869



42.2500, 42.8513, 51.1722



18.4684, 19.3245, 27.9562



9.3772, 9.4781, 11.4147



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.9626, 18.3375, 27.6869



33.7555, 29.8348, 49.1075



21.2694, 19.0479, 26.0914



5.4482, 5.4192, 6.7876



8.4603, 3.8550, 23.2753



0.1047, 0.0491, 0.2236

Inverse Universe

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



20.2921, 18.6569, 20.9446



34.5104, 30.5494, 34.4435



19.3803, 23.7640, 20.1962



5.4809, 5.4529, 6.0302



10.5209, 5.3654, 3.1286



0.1102, 0.0551, 0.0806

Previews

White Background



This preview shows how the XYZ color 19.9620, 18.3367, 27.6865 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 19.9620, 18.3367, 27.6865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

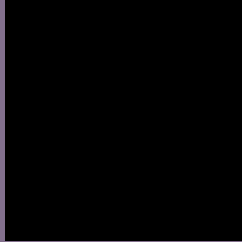
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9620, 18.3367, 27.6865

Background



This preview shows how black text looks on a background with the XYZ color 19.9620, 18.3367, 27.6865.



This preview shows how white text looks on a background with the XYZ color 19.9620, 18.3367,

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

19.9620, 18.3367, 27.6865

Protanopia

18.3993, 18.5119, 29.3915

Deuteranopia

18.7247, 18.3773, 27.3712



Tritanopia

18.6709, 18.3059, 21.6181

Trichromacy



Original Color

19.9620, 18.3367, 27.6865

Protanomaly

19.0252, 18.4975, 28.9532

Deuteranomaly

19.1765, 18.4400, 27.3595

Tritanomaly

19.0998, 18.3135, 23.6473

Monochromacy



Original Color

19.9620, 18.3367, 27.6865

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.8322, 18.8754, 23.0728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9620, 18.3367, 27.6865 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(131, 112, 141)` looks like.

```
.text, #text, p{  
    color:rgb(131, 112, 141)  
}
```

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(131, 112, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 112, 141) }
```

Border

The CSS property to change the border of an element to XYZ 19.9620, 18.3367, 27.6865 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(131, 112, 141) }
```


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

```
.border{ border-color:rgb(131, 112, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 112, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 112, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 112, 141);  
box-shadow:4px 4px 4px 4px rgb(131, 112,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9620, 18.3367, 27.6865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 112, 141) }
```

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

```
.background{ background-color: rgb(131,  
112, 141) }
```

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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