

Converting Colors

XYZ(20.2915, 16.7981, 21.5749)

Have a look what the booklet for
XYZ(20.2915, 16.7981, 21.5749)
contains.

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Color

**XYZ(20.2915, 16.7981,
21.5749)**

Conversions

Conversions Part 1

Format	Color
Hex	93647D
RGB	147, 100, 125
RGB Percent	58%, 39%, 49%
CMY	0.4235, 0.6078, 0.5098
CMYK	0.00, 0.32, 0.15, 0.42
HSL	328°, 19%, 48%
HSV	328°, 32%, 58%
XYZ	20.2915, 16.7981, 21.5749
YIQ	116.9030, 19.9870, 17.7390

Conversions

Conversions Part 2

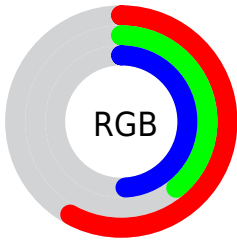
Format	Color
R_{YB}	147, 100, 125
Decimal	9659517
CIE Lab	48.00, 22.95, -6.25
CIE LCh	48, 23.786, 344.777
Yxy	16.7981, 0.3459, 0.2863
Android (android.graphics.Color)	4287849597 (0xFF93647D)
YUV	116.9030, 3.9918, 26.3951
Hunter-Lab	40.9855, 16.6489, -2.5206

Details

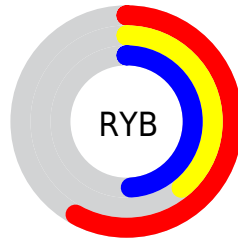
The XYZ color **20.2915, 16.7981, 21.5749** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2029, 24.9824, 22.2236**, and the grayscale version is **16.8627, 17.7408, 19.3198**.

A 20% lighter version of the original color is **43.4596, 37.9041, 47.1451**, and **7.2518, 5.4107, 7.4996** is the 20% darker color. If you saturate the color by 10%, you get **18.5823, 14.0589, 18.9110**, and if you desaturate by 10%, it is **22.2865, 20.0599, 24.4848**.

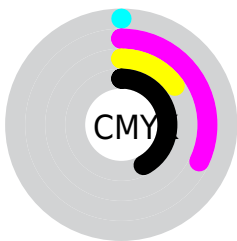
Distribution



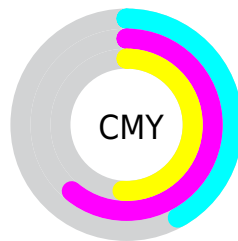
- Red (58%)
- Green (39%)
- Blue (49%)



- Red (58%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (32%)
- Yellow (15%)
- Black (42%)



- Cyan (42%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2915, 16.7981, 21.5749 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 20.2915, 16.7981, 21.5749 by changing the saturation by 10% instead.

20.2915, 16.7981,
21.5749

20.2915, 16.7981,
21.5749

246.2924,
234.0062, 273.1989

12.7166, 10.0906,
13.3496

43.4056, 37.9783,
46.9355

7.3093, 5.4591,
7.5361

59.6755, 53.2199,
64.9079

3.7043, 2.5191,
3.7161

79.5745, 72.0749,
86.9664

1.5363, 0.8862,
1.4709

103.4678, 94.9278,
113.5294

0.3503, 0.0000,
0.1961

131.7209,
122.1630, 145.0157

0.0000, 0.0000,
0.0000

164.6992,

154.1649, 181.8437

202.7679,
191.3178, 224.4319

■ 20.2915, 16.7981,
21.5749

■ 20.2915, 16.7981,
21.5749

■ 18.5823, 14.0589,
18.9110

■ 22.2865, 20.0599,
24.4848

■ 17.1432, 11.8123,
16.4841

■ 24.5792, 23.8674,
27.6469

■ 15.9591, 10.0289,
14.2865

■ 27.1825, 28.2454,
31.0687

■ 15.0126, 8.6751,
12.3090

■ 30.1079, 33.2163,
34.7567

■ 14.2842, 7.7127,
10.5418

■ 33.3666, 38.8013,
38.7174

■ 13.7508, 7.0969,
8.9737

■ 36.9691, 45.0207,
42.9568

■ 13.4146, 6.7559,
7.8399

■ 40.9254, 51.8935,
47.4810

■ 45.2451, 59.4383,
52.2956

■ 49.9376, 67.6729,
57.4062

Harmonies

Analogous

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



19.0550, 16.7981, 28.0358



20.2915, 16.7981, 21.5749



20.3013, 16.7981, 15.4366

Triad

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



20.2915, 16.7981, 21.5749



14.9358, 16.7981, 9.0723



13.2104, 16.7981, 27.9492

Complementary

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



20.2915, 16.7981, 21.5749



19.2029, 24.9824, 22.2236

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.



12.2967, 16.7981, 21.4756



20.2915, 16.7981, 21.5749



13.2305, 16.7981, 11.1138

Square

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



20.2915, 16.7981, 21.5749



17.0752, 16.7981, 9.0872



12.3037, 16.7981, 15.3572



14.9061, 16.7981, 32.2402

Rectangle

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



20.2915, 16.7981, 21.5749



19.6040, 16.7981, 12.3398



12.3037, 16.7981, 15.3572



12.8086, 16.7981, 25.8995

Sweetspot

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



20.2920, 16.7989, 21.5752



44.7994, 44.0512, 50.5587



17.8410, 15.3546, 29.6274



10.0972, 9.8390, 11.3681



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.



20.2920, 16.7989, 21.5752



34.2006, 26.6437, 35.3413



18.9673, 16.2690, 14.5995



5.9220, 5.8639, 6.6952



11.6422, 5.8620, 6.8630



0.1574, 0.0777, 0.1625

Inverse Universe

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



20.2920, 16.7989, 21.5752



34.2006, 26.6437, 35.3413



20.8342, 25.6349, 30.8139



5.9220, 5.8639, 6.6952



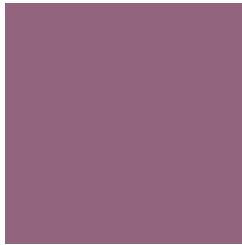
11.6422, 5.8620, 6.8630



0.1574, 0.0777, 0.1625

Previews

White Background



This preview shows how the XYZ color 20.2915, 16.7981, 21.5749 looks on a white background.

Color Contrast Check

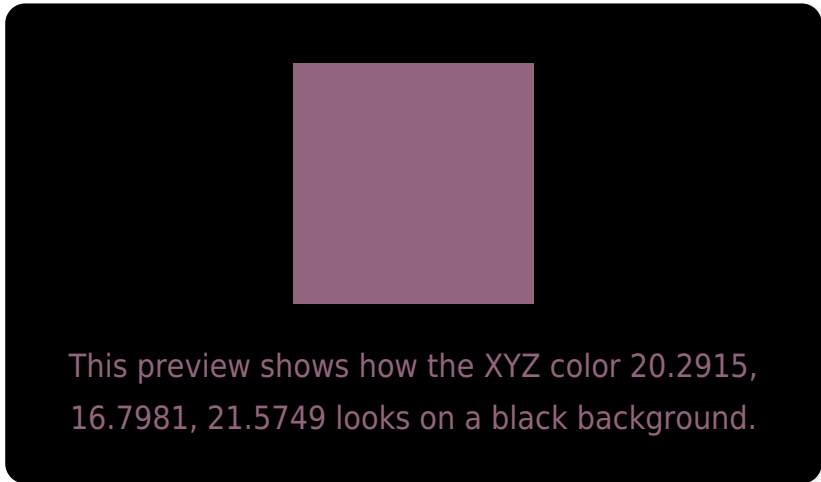
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 20.2915, 16.7981, 21.5749

Background



This preview shows how black text looks on a background with the XYZ color 20.2915, 16.7981, 21.5749.



This preview shows how white text looks on a background with the XYZ color 20.2915, 16.7981,

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

20.2915, 16.7981, 21.5749

Protanopia

16.6386, 16.8465, 24.9290

Deuteranopia

17.1447, 16.8639, 21.0903



Tritanopia

19.3418, 16.8460, 16.9840

Trichromacy



Original Color

20.2915, 16.7981, 21.5749

Protanomaly

17.6277, 16.5748, 23.7429

Deuteranomaly

18.1017, 16.7165, 21.3413

Tritanomaly

19.6999, 16.8515, 18.4340

Monochromacy



Original Color

20.2915, 16.7981, 21.5749

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9767, 17.3141, 20.1638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2915, 16.7981, 21.5749 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, 100, 125)` looks like.

```
.text, #text, p{  
    color:rgb(147, 100, 125)  
}
```

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, 100, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 100, 125) }
```

Border

The CSS property to change the border of an element to XYZ 20.2915, 16.7981, 21.5749 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, 100, 125) }
```


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

```
.border{ border-color:rgb(147, 100, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 100, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 100, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 100, 125);  
box-shadow:4px 4px 4px 4px rgb(147, 100,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2915, 16.7981, 21.5749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 100, 125) }
```

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

```
.background{ background-color: rgb(147,  
100, 125) }
```

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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