

Converting Colors

XYZ(19.7743, 16.8891, 36.3612)

Have a look what the booklet for
XYZ(19.7743, 16.8891, 36.3612)
contains.

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Color

**XYZ(19.8853, 16.9969,
36.4151)**

Conversions

Conversions Part 1

Format	Color
Hex	7C69A2
RGB	124, 105, 162
RGB Percent	49%, 41%, 64%
CMY	0.5137, 0.5882, 0.3647
CMYK	0.23, 0.35, 0.00, 0.36
HSL	260°, 23%, 52%
HSV	260°, 35%, 64%
XYZ	19.8853, 16.9969, 36.4151
YIQ	117.1790, -6.9730, 21.7550

Conversions

Conversions Part 2

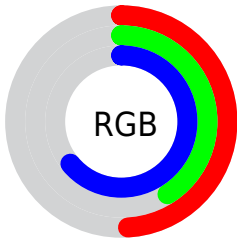
Format	Color
RYB	124, 105, 162
Decimal	8153506
CIELab	48.26, 19.86, -28.04
CIElCh	48, 34.360, 305.309
Yxy	16.9969, 0.2713, 0.2319
Android (android.graphics.Color)	4286343586 (0xFF7C69A2)
YUV	117.1790, 22.0968, 5.9820
Hunter-Lab	41.2273, 13.9487, -23.5104

Details

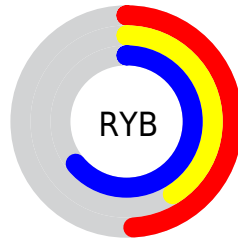
The XYZ color **19.8853, 16.9969, 36.4151** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.7985, 32.7007, 18.2648**, and the grayscale version is **16.8997, 17.7798, 19.3622**.

A 20% lighter version of the original color is **42.5443, 38.1338, 70.7639**, and **7.1516, 5.6077, 15.4573** is the 20% darker color. If you saturate the color by 10%, you get **16.9136, 13.2447, 35.8478**, and if you desaturate by 10%, it is **23.3435, 21.4672, 37.0960**.

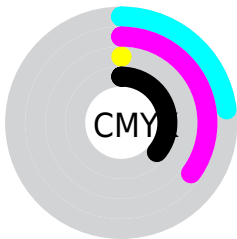
Distribution



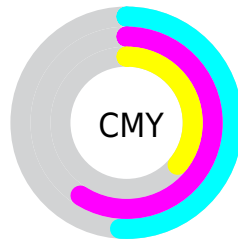
- Red (49%)
- Green (41%)
- Blue (64%)



- Red (49%)
- Yellow (41%)
- Blue (64%)



- Cyan (23%)
- Magenta (35%)
- Yellow (0%)
- Black (36%)



- Cyan (51%)
- Magenta (59%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8853, 16.9969, 36.4151 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 19.8853, 16.9969, 36.4151 by changing the saturation by 10% instead.

■ 19.8853, 16.9969,
36.4151

■ 19.8853, 16.9969,
36.4151

244.1389,
235.1545, 345.8634

■ 12.4195, 10.2323,
24.4627

■ 42.7302, 38.3204,
70.8485

■ 7.1043, 5.5532,
15.4619

■ 58.8400, 53.6482,
94.1667

■ 3.5743, 2.5754,
8.9940

■ 78.5618, 72.5990,
122.1105

■ 1.4642, 0.9143,
4.6405

■ 102.2610, 95.5575,
155.0985

■ 0.3013, 0.0000,
1.9829

130.3030,
122.9078, 193.5492

■ 0.0000, 0.0000,
0.5447

163.0531,

■ 0.0000, 0.0000,

155.0345, 237.8813

0.0000

200.8766,
192.3220, 288.5131

■ 19.8853, 16.9969,
36.4151

■ 19.8853, 16.9969,
36.4151

■ 16.9136, 13.2447,
35.8478

■ 23.3435, 21.4672,
37.0960

■ 14.4032, 10.1700,
35.3866

■ 27.3081, 26.6893,
37.8950

■ 12.3292, 7.7310,
35.0251

■ 31.8001, 32.6972,
38.8179

■ 10.6635, 5.8805,
34.7557

■ 36.8386, 39.5219,
39.8696

■ 9.3741, 4.5641,
34.5696

■ 42.4419, 47.1931,
41.0550

■ 8.4218, 3.7140,
34.4557

■ 48.6273, 55.7388,
42.3785

■ 8.0429, 3.3929,
34.4137

■ 55.4113, 65.1857,
43.8443

■ 62.8099, 75.5594,
45.4567

■ 70.8383, 86.8844,
47.2195

Harmonies

Analogous

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



16.7177, 16.9969, 41.4921



19.8853, 16.9969, 36.4151



22.2567, 16.9969, 26.6719

Triad

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



19.8853, 16.9969, 36.4151



18.7990, 16.9969, 6.8562



10.8774, 16.9969, 20.1461

Complementary

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



19.8853, 16.9969, 36.4151



26.7985, 32.7007, 18.2648

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.



11.2849, 16.9969, 12.2054



19.8853, 16.9969, 36.4151



15.6051, 16.9969, 6.1110

Square

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



19.8853, 16.9969, 36.4151



21.5750, 16.9969, 10.2317



12.9231, 16.9969, 7.7113



11.7285, 16.9969, 30.3499

Rectangle

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



19.8853, 16.9969, 36.4151



22.9189, 16.9969, 19.9511



12.9231, 16.9969, 7.7113



10.8731, 16.9969, 17.1338

Sweetspot

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



19.8859, 16.9976, 36.4155



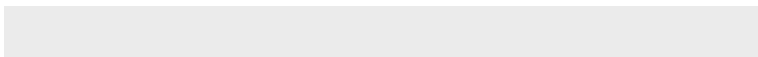
52.7000, 52.6129, 69.4338



22.3136, 25.5439, 37.9371



11.6064, 11.5100, 15.5474



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.8859, 16.9976, 36.4155



31.9138, 25.5543, 65.3066



24.4385, 19.3446, 36.6285



6.9126, 6.9693, 8.8839



6.3780, 2.6945, 27.1137



0.1824, 0.0816, 0.5720

Inverse Universe

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



24.9104, 19.7684, 28.4902



42.5490, 31.4290, 48.0907



22.6003, 30.5365, 18.0683



7.2635, 7.1618, 8.3738



13.8919, 6.9128, 11.8874



0.3124, 0.1535, 0.3578

Previews

White Background



This preview shows how the XYZ color 19.8853, 16.9969, 36.4151 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 19.8853, 16.9969, 36.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

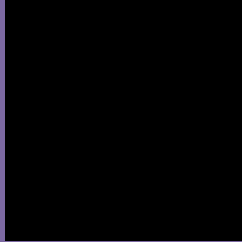
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8853, 16.9969, 36.4151

Background



This preview shows how black text looks on a background with the XYZ color 19.8853, 16.9969, 36.4151.



This preview shows how white text looks on a background with the XYZ color 19.8853, 16.9969,

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

19.8853, 16.9969, 36.4151

Protanopia

17.7969, 17.1242, 39.4131

Deuteranopia

17.3959, 17.0010, 35.6224



Tritanopia

16.7541, 16.9973, 20.8101

Trichromacy



Original Color

19.8853, 16.9969, 36.4151

Protanomaly

18.4027, 16.9692, 38.3818

Deuteranomaly

18.1933, 16.9132, 36.0239

Tritanomaly

17.8370, 16.9511, 25.9987

Monochromacy



Original Color

19.8853, 16.9969, 36.4151

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.8845, 17.4968, 24.6249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8853, 16.9969, 36.4151 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(124, 105, 162)` looks like.

```
.text, #text, p{  
    color:rgb(124, 105, 162)  
}
```

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(124, 105, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 105, 162) }
```

Border

The CSS property to change the border of an element to XYZ 19.8853, 16.9969, 36.4151 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(124, 105, 162) }
```


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

```
.border{ border-color:rgb(124, 105, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 105, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 105, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 105, 162);  
box-shadow:4px 4px 4px 4px rgb(124, 105,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8853, 16.9969, 36.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 105, 162) }
```

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

```
.background{ background-color: rgb(124,  
105, 162) }
```

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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