

Converting Colors

XYZ(19.3418, 16.8527, 35.7887)

Have a look what the booklet for
XYZ(19.3418, 16.8527, 35.7887)
contains.

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Color

**XYZ(19.3328, 16.8743,
35.9563)**

Conversions

Conversions Part 1

Format	Color
Hex	786AA1
RGB	120, 106, 161
RGB Percent	47%, 42%, 63%
CMY	0.5294, 0.5843, 0.3686
CMYK	0.25, 0.34, 0.00, 0.37
HSL	255°, 23%, 52%
HSV	255°, 34%, 63%
XYZ	19.3328, 16.8743, 35.9563
YIQ	116.4560, -9.3110, 20.0730

Conversions

Conversions Part 2

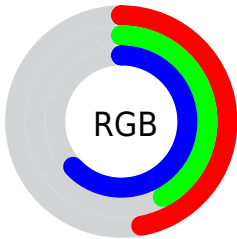
Format	Color
R_{YB}	120, 106, 161
Decimal	7891617
CIE _{Lab}	48.10, 17.75, -27.72
CIE _{LCh}	48, 32.918, 302.635
Yxy	16.8743, 0.2679, 0.2338
Android (android.graphics.Color)	4286081697 (0xFF786AA1)
YUV	116.4560, 21.9602, 3.1081
Hunter-Lab	41.0783, 12.1208, -23.1423

Details

The XYZ color **19.3328, 16.8743, 35.9563** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.3793, 32.7337, 18.5114**, and the grayscale version is **16.6776, 17.5461, 19.1077**.

A 20% lighter version of the original color is **41.6852, 37.9560, 70.0949**, and **6.8501, 5.5341, 15.1752** is the 20% darker color. If you saturate the color by 10%, you get **16.2654, 13.0572, 35.3815**, and if you desaturate by 10%, it is **22.9215, 21.4233, 36.6455**.

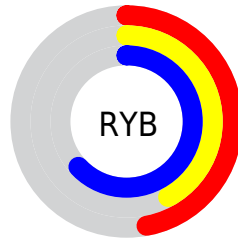
Distribution



Red (47%)

Green (42%)

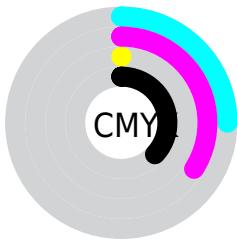
Blue (63%)



Red (47%)

Yellow (42%)

Blue (63%)

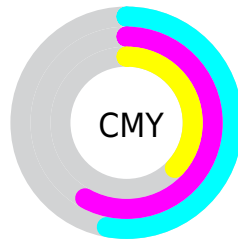


Cyan (25%)

Magenta (34%)

Yellow (0%)

Black (37%)



Cyan (53%)

Magenta (58%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3328, 16.8743, 35.9563 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 19.3328, 16.8743, 35.9563 by changing the saturation by 10% instead.

■ 19.3328, 16.8743,
35.9563

■ 19.3328, 16.8743,
35.9563

241.1829,
234.4470, 343.8011

■ 12.0164, 10.1449,
24.1110

■ 41.8082, 38.1095,
70.1329

■ 6.8271, 5.4951,
15.2030

■ 57.6980, 53.3842,
93.3013

■ 3.3996, 2.5406,
8.8138

■ 77.1763, 72.2760,
121.0811

■ 1.3684, 0.8969,
4.5248

■ 100.6085, 95.1694,
153.8910

■ 0.2336, 0.0000,
1.9174

128.3598,
122.4488, 192.1494

■ 0.0000, 0.0000,
0.5038

160.7958,

■ 0.0000, 0.0000,

154.4986, 236.2748

0.0000

198.2817,
191.7032, 286.6859

■ 19.3328, 16.8743,
35.9563

■ 19.3328, 16.8743,
35.9563

■ 16.2654, 13.0572,
35.3815

■ 22.9215, 21.4233,
36.6455

■ 13.6924, 9.9311,
34.9137

■ 27.0532, 26.7381,
37.4536

■ 11.5871, 7.4541,
34.5465

■ 31.7504, 32.8530,
38.3863

■ 9.9192, 5.5786,
34.2725

■ 37.0337, 39.7996,
39.4487

■ 8.6547, 4.2506,
34.0828

■ 42.9229, 47.6077,
40.6454

■ 7.7537, 3.4055,
33.9671

■ 49.4366, 56.3056,
41.9810

■ 7.3469, 3.0443,
33.9189

■ 56.5927, 65.9205,
43.4596

■ 64.4084, 76.4782,
45.0856

■ 72.9002, 88.0036,
46.8626

Harmonies

Analogous

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



16.3035, 16.8743, 40.1366



19.3328, 16.8743, 35.9563



21.6871, 16.8743, 26.9999

Triad

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



19.3328, 16.8743, 35.9563



18.8204, 16.8743, 7.3098



10.9666, 16.8743, 19.1383

Complementary

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



19.3328, 16.8743, 35.9563



27.3793, 32.7337, 18.5114

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.



11.4672, 16.8743, 11.8129



19.3328, 16.8743, 35.9563



15.7764, 16.8743, 6.3689

Square

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



19.3328, 16.8743, 35.9563



21.3665, 16.8743, 10.8656



13.1415, 16.8743, 7.7257



11.6792, 16.8743, 28.7250

Rectangle

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



19.3328, 16.8743, 35.9563



22.4218, 16.8743, 20.5592



13.1415, 16.8743, 7.7257



10.9987, 16.8743, 16.3480

Sweetspot

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



19.3334, 16.8750, 35.9567



51.6681, 52.0611, 67.7121



22.8500, 26.5831, 37.6452



11.0941, 11.1092, 14.8032



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.3334, 16.8750, 35.9567



30.3608, 24.9033, 63.5932



23.6650, 19.1080, 36.1594



6.8616, 6.9430, 8.8816



5.9008, 2.4485, 27.0914



0.1648, 0.0725, 0.5712

Inverse Universe

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



25.1188, 19.9922, 30.1388



42.4509, 31.4273, 50.9977



23.0579, 30.5059, 18.3092



7.2869, 7.1712, 8.4974



14.4643, 7.1418, 14.9013



0.3213, 0.1570, 0.4046

Previews

White Background



This preview shows how the XYZ color 19.3328, 16.8743, 35.9563 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 19.3328, 16.8743, 35.9563 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 19.3328, 16.8743, 35.9563

Background



This preview shows how black text looks on a background with the XYZ color 19.3328, 16.8743, 35.9563.



This preview shows how white text looks on a background with the XYZ color 19.3328, 16.8743,

35.9563.

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

19.3328, 16.8743, 35.9563

Protanopia

17.6069, 16.8829, 38.4071

Deuteranopia

17.3959, 17.0010, 35.6224



Tritanopia

16.4025, 16.9754, 21.1510

Trichromacy



Original Color

19.3328, 16.8743, 35.9563

Protanomaly

18.1025, 16.8355, 37.4174

Deuteranomaly

17.9845, 16.8157, 35.5556

Tritanomaly

17.4023, 16.8880, 26.0094

Monochromacy



Original Color

19.3328, 16.8743, 35.9563

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.2951, 17.0362, 24.2066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3328, 16.8743, 35.9563 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(120, 106, 161)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 161)  
}
```

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(120, 106, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 161) }
```

Border

The CSS property to change the border of an element to XYZ 19.3328, 16.8743, 35.9563 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(120, 106, 161) }
```


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

```
.border{ border-color:rgb(120, 106, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 106, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 106, 161); box-shadow:4px 4px 4px 4px rgb(120, 106, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3328, 16.8743, 35.9563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 161) }
```

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

```
.background{ background-color: rgb(120,  
106, 161) }
```

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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