

Converting Colors

XYZ(20.4081, 19.4644, 36.3553)

Have a look what the booklet for
XYZ(20.4081, 19.4644, 36.3553)
contains.

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Color

**XYZ(20.3827, 19.3816,
36.3850)**

Conversions

Conversions Part 1

Format	Color
Hex	7676A1
RGB	118, 118, 161
RGB Percent	46%, 46%, 63%
CMY	0.5372, 0.5372, 0.3686
CMYK	0.27, 0.27, 0.00, 0.37
HSL	240°, 19%, 55%
HSV	240°, 27%, 63%
XYZ	20.3827, 19.3816, 36.3850
YIQ	122.9020, -13.8030, 13.3730

Conversions

Conversions Part 2

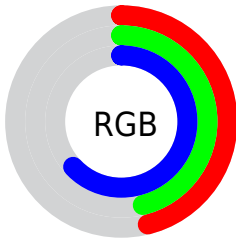
Format	Color
R _Y B	118, 118, 161
Decimal	7763617
CIE Lab	51.13, 9.92, -23.05
CIE LCh	51, 25.091, 293.298
Yxy	19.3816, 0.2677, 0.2545
Android (android.graphics.Color)	4285953697 (0xFF7676A1)
YUV	122.9020, 18.7823, -4.2991
Hunter-Lab	44.0245, 5.5999, -18.1843

Details

The XYZ color **20.3827, 19.3816, 36.3850** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7132, 34.3752, 22.1566**, and the grayscale version is **18.7383, 19.7141, 21.4687**.

A 20% lighter version of the original color is **43.5640, 42.3652, 70.8470**, and **7.3344, 6.7134, 15.3772** is the 20% darker color. If you saturate the color by 10%, you get **16.6433, 14.8759, 35.7127**, and if you desaturate by 10%, it is **24.8202, 24.7285, 37.1835**.

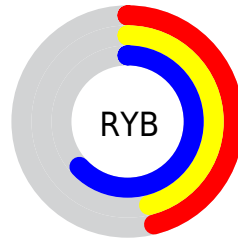
Distribution



Red (46%)

Green (46%)

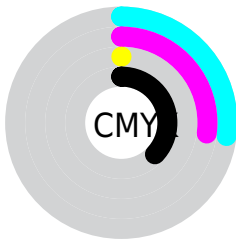
Blue (63%)



Red (46%)

Yellow (46%)

Blue (63%)

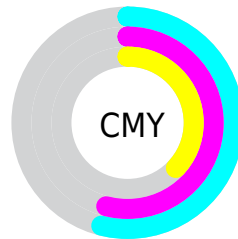


Cyan (27%)

Magenta (27%)

Yellow (0%)

Black (37%)



Cyan (54%)

Magenta (54%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3827, 19.3816, 36.3850 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 20.3827, 19.3816, 36.3850 by changing the saturation by 10% instead.

■ 20.3827, 19.3816,
36.3850

■ 20.3827, 19.3816,
36.3850

246.7737,
248.5474, 345.7284

■ 12.7834, 11.9463,
24.4396

■ 43.5569, 42.3779,
70.8016

■ 7.3555, 6.7071,
15.4449

■ 59.8626, 58.7078,
94.1099

■ 3.7337, 3.2796,
8.9821

■ 79.8011, 78.7713,
122.0430

■ 1.5526, 1.2794,
4.6329

103.7378,
102.9528, 155.0194

■ 0.3612, 0.1252,
1.9786

132.0381,
131.6368, 193.4575

■ 0.0000, 0.0000,
0.5420

165.0672,

■ 0.0000, 0.0000,

165.2076, 237.7761

0.0000

203.1907,
204.0497, 288.3935

■ 20.3827, 19.3816,
36.3850

■ 20.3827, 19.3816,
36.3850

■ 16.6433, 14.8759,
35.7127

■ 24.8202, 24.7285,
37.1835

■ 13.5647, 11.1663,
35.1590

■ 29.9868, 30.9539,
38.1128

■ 11.1090, 8.2074,
34.7173

■ 35.9138, 38.0955,
39.1789

■ 9.2339, 5.9480,
34.3800

■ 42.6303, 46.1885,
40.3870

■ 7.8915, 4.3305,
34.1385

■ 50.1637, 55.2658,
41.7420

■ 7.0266, 3.2883,
33.9830

■ 58.5403, 65.3591,
43.2487

■ 6.5570, 2.7225,
33.8985

■ 67.7850, 76.4984,
44.9116

■ 6.4331, 2.5732,
33.8762

■ 77.9219, 88.7126,
46.7349

■ 83.4331, 95.3532,
47.7262

Harmonies

Analogous

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



17.8680, 19.3816, 37.8791



20.3827, 19.3816, 36.3850



22.5370, 19.3816, 30.4144

Triad

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



20.3827, 19.3816, 36.3850



21.4367, 19.3816, 11.9014



14.0603, 19.3816, 19.5416

Complementary

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



20.3827, 19.3816, 36.3850



30.7132, 34.3752, 22.1566

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.



14.8404, 19.3816, 13.9176



20.3827, 19.3816, 36.3850



18.9866, 19.3816, 10.1967

Square

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



20.3827, 19.3816, 36.3850



23.1829, 19.3816, 16.1273



16.5906, 19.3816, 10.8411



14.3614, 19.3816, 27.0100

Rectangle

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



20.3827, 19.3816, 36.3850



23.4034, 19.3816, 25.2985



16.5906, 19.3816, 10.8411



14.2023, 19.3816, 17.3995

Sweetspot

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



20.3833, 19.3824, 36.3854



52.2850, 53.7264, 68.0010



26.6496, 31.9150, 38.4742



11.1637, 11.4177, 14.8591



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.



20.3833, 19.3824, 36.3854



32.4097, 29.7778, 64.4261



23.6432, 21.0629, 36.5380



6.7005, 6.8600, 8.8740



5.1379, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Inverse Universe

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



27.6099, 23.1078, 36.7236



47.5448, 37.5803, 65.1343



26.7466, 32.3303, 21.9709



7.3644, 7.2022, 8.9051



16.8767, 8.1067, 27.6049



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 20.3827, 19.3816, 36.3850 looks on a white 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

Black Background



This preview shows how the XYZ color 20.3827, 19.3816, 36.3850 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 20.3827, 19.3816, 36.3850

Background



This preview shows how black text looks on a background with the XYZ color 20.3827, 19.3816, 36.3850.



This preview shows how white text looks on a background with the XYZ color 20.3827, 19.3816,

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

20.3827, 19.3816, 36.3850

Protanopia

19.7577, 19.3923, 37.3521

Deuteranopia

19.8316, 19.4509, 36.4274



Tritanopia

17.9987, 19.3041, 24.9677

Trichromacy



Original Color

20.3827, 19.3816, 36.3850

Protanomaly

19.9285, 19.3130, 36.8599

Deuteranomaly

19.9693, 19.3443, 36.3995

Tritanomaly

18.7347, 19.2353, 28.7120

Monochromacy



Original Color

20.3827, 19.3816, 36.3850

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2379, 19.5458, 26.4257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3827, 19.3816, 36.3850 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(118, 118, 161)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 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(118, 118, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.3827, 19.3816, 36.3850 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(118, 118, 161) }
```


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

```
.border{ border-color:rgb(118, 118, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 161);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3827, 19.3816, 36.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 161) }
```

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

```
.background{ background-color: rgb(118,  
118, 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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