

Converting Colors

XYZ(20.4024, 19.4939, 39.8804)

Have a look what the booklet for
XYZ(20.4024, 19.4939, 39.8804)
contains.

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Color

**XYZ(20.3468, 19.4655,
39.7306)**

Conversions

Conversions Part 1

Format	Color
Hex	7077A8
RGB	112, 119, 168
RGB Percent	44%, 47%, 66%
CMY	0.5608, 0.5333, 0.3412
CMYK	0.33, 0.29, 0.00, 0.34
HSL	233°, 24%, 55%
HSV	233°, 33%, 66%
XYZ	20.3468, 19.4655, 39.7306
YIQ	122.4930, -19.9010, 13.7550

Conversions

Conversions Part 2

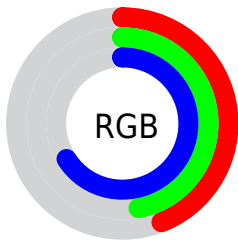
Format	Color
R _Y B	112, 118, 168
Decimal	7370664
CIE Lab	51.23, 9.33, -27.01
CIE LCh	51, 28.574, 289.059
Yxy	19.4655, 0.2558, 0.2447
Android (android.graphics.Color)	4285560744 (0xFF7077A8)
YUV	122.4930, 22.4350, -9.2024
Hunter-Lab	44.1197, 5.1098, -22.5079

Details

The XYZ color **20.3468, 19.4655, 39.7306** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.8185, 34.9850, 20.4058**, and the grayscale version is **18.5939, 19.5622, 21.3033**.

A 20% lighter version of the original color is **43.3992, 42.4529, 75.7189**, and **7.3922, 6.7916, 17.4443** is the 20% darker color. If you saturate the color by 10%, you get **16.7891, 15.2325, 39.1014**, and if you desaturate by 10%, it is **24.5753, 24.4469, 40.4696**.

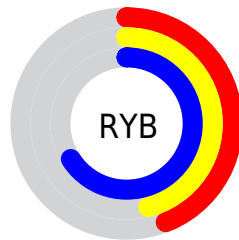
Distribution



Red (44%)

Green (47%)

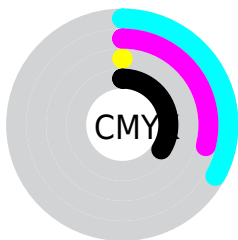
Blue (66%)



Red (44%)

Yellow (46%)

Blue (66%)

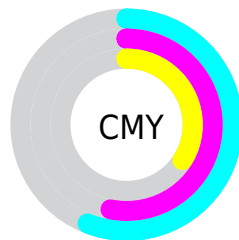


Cyan (33%)

Magenta (29%)

Yellow (0%)

Black (34%)



Cyan (56%)

Magenta (53%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3468, 19.4655, 39.7306 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 20.3468, 19.4655, 39.7306 by changing the saturation by 10% instead.

■ 20.3468, 19.4655,
39.7306

■ 20.3468, 19.4655,
39.7306

246.5844,
249.0067, 360.5051

■ 12.7571, 12.0071,
27.0164

■ 43.4974, 42.5192,
75.9857

■ 7.3373, 6.7485,
17.3530

■ 59.7890, 58.8833,
100.3637

■ 3.7222, 3.3053,
10.3219

■ 79.7119, 78.9848,
129.4666

■ 1.5462, 1.2931,
5.5045

103.6316,
103.2081, 163.7131

■ 0.3569, 0.1359,
2.4823

131.9133,
131.9375, 203.5216

■ 0.0000, 0.0000,
0.8308

164.9224,

■ 0.0000, 0.0000,

165.5575, 249.3108

0.0000

203.0243,
204.4524, 301.4991

■ 20.3468, 19.4655,
39.7306

■ 20.3468, 19.4655,
39.7306

■ 16.7891, 15.2325,
39.1014

■ 24.5753, 24.4469,
40.4696

■ 13.8656, 11.7093,
38.5754

■ 29.5047, 30.2081,
41.3218

■ 11.5391, 8.8573,
38.1476

■ 35.1657, 36.7817,
42.2923

■ 9.7679, 6.6334,
37.8117

■ 41.5865, 44.1975,
43.3852

■ 8.5045, 4.9893,
37.5609

■ 48.7940, 52.4839,
44.6048

■ 7.6935, 3.8693,
37.3875

■ 56.8136, 61.6681,
45.9549

■ 7.3361, 3.3635,
37.3087

■ 65.6695, 71.7759,
47.4391

■ 75.3852, 82.8321,
49.0611

■ 82.9001, 93.2715,
50.6800

Harmonies

Analogous

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



17.4819, 19.4655, 40.6102



20.3468, 19.4655, 39.7306



22.9514, 19.4655, 33.2147

Triad

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



20.3468, 19.4655, 39.7306



22.3246, 19.4655, 11.4221



13.6311, 19.4655, 18.3566

Complementary

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



20.3468, 19.4655, 39.7306



31.8185, 34.9850, 20.4058

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.



14.6673, 19.4655, 12.4931



20.3468, 19.4655, 39.7306



19.5597, 19.4655, 9.2291

Square

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



20.3468, 19.4655, 39.7306



24.1717, 19.4655, 16.4770



16.7710, 19.4655, 9.5630



13.7954, 19.4655, 26.7363

Rectangle

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



20.3468, 19.4655, 39.7306



24.0983, 19.4655, 27.3050



16.7710, 19.4655, 9.5630



13.8460, 19.4655, 16.0715

Sweetspot

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



20.3475, 19.4663, 39.7311



56.6287, 58.4106, 75.5148



27.0772, 34.0072, 38.6402



12.0517, 12.3927, 16.4090



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.3475, 19.4663, 39.7311



32.0301, 29.5104, 71.2330



22.4621, 19.3649, 39.6000



7.2046, 7.4461, 9.4759



5.5617, 2.5835, 28.1810



0.1575, 0.1073, 0.6931

Inverse Universe

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



25.2730, 21.2458, 20.2222



42.4216, 33.4649, 30.0295



29.0443, 35.4218, 20.6363



7.5679, 7.5570, 8.0416



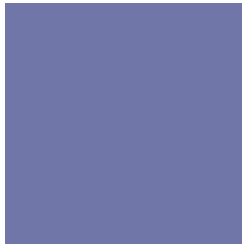
12.3079, 6.3319, 1.1668



0.3107, 0.1585, 0.0874

Previews

White Background



This preview shows how the XYZ color 20.3468, 19.4655, 39.7306 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 20.3468, 19.4655, 39.7306 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 20.3468, 19.4655, 39.7306

Background



This preview shows how black text looks on a background with the XYZ color 20.3468, 19.4655, 39.7306.



This preview shows how white text looks on a background with the XYZ color 20.3468, 19.4655,

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

20.3468, 19.4655, 39.7306

Protanopia

19.9413, 19.4233, 40.2342

Deuteranopia

19.8478, 19.3859, 39.7416



Tritanopia

17.5325, 19.4198, 25.7460

Trichromacy



Original Color

20.3468, 19.4655, 39.7306

Protanomaly

20.1846, 19.5487, 40.2456

Deuteranomaly

20.0910, 19.5113, 39.7529

Tritanomaly

18.5338, 19.4606, 30.3832

Monochromacy



Original Color

20.3468, 19.4655, 39.7306

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.9688, 19.3904, 27.1691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3468, 19.4655, 39.7306 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(112, 119, 168)` looks like.

```
.text, #text, p{  
    color:rgb(112, 119, 168)  
}
```

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(112, 119, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 119, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.3468, 19.4655, 39.7306 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(112, 119, 168) }
```


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

```
.border{ border-color:rgb(112, 119, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 119, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 119, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 119, 168);  
box-shadow:4px 4px 4px 4px rgb(112, 119,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3468, 19.4655, 39.7306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 119, 168) }
```

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

```
.background{ background-color: rgb(112,  
119, 168) }
```

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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