

Converting Colors

XYZ(19.0022, 18.4119, 40.0885)

Have a look what the booklet for
XYZ(19.0022, 18.4119, 40.0885)
contains.

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Color

**XYZ(19.0022, 18.4119,
40.0885)**

Conversions

Conversions Part 1

Format	Color
Hex	6675A9
RGB	102, 117, 169
RGB Percent	40%, 46%, 66%
CMY	0.6000, 0.5412, 0.3373
CMYK	0.40, 0.31, 0.00, 0.34
HSL	227°, 28%, 53%
HSV	227°, 40%, 66%
XYZ	19.0022, 18.4119, 40.0885
YIQ	118.4430, -25.6320, 12.9920

Conversions

Conversions Part 2

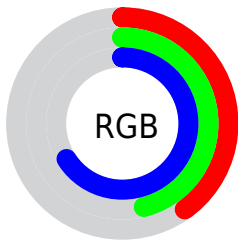
Format	Color
R_{YB}	102, 114, 169
Decimal	6714793
CIE _{Lab}	49.99, 7.92, -29.57
CIE _{LCh}	50, 30.608, 284.990
Yxy	18.4119, 0.2452, 0.2376
Android (android.graphics.Color)	4284904873 (0xFF6675A9)
YUV	118.4430, 24.9246, -14.4205
Hunter-Lab	42.9091, 3.9574, -25.3563

Details

The XYZ color **19.0022, 18.4119, 40.0885** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.3167, 32.5062, 17.2476**, and the grayscale version is **17.2893, 18.1897, 19.8085**.

A 20% lighter version of the original color is **41.1601, 40.7263, 76.2126**, and **6.7042, 6.2444, 17.6816** is the 20% darker color. If you saturate the color by 10%, you get **15.8559, 14.6783, 39.5340**, and if you desaturate by 10%, it is **22.7544, 22.7765, 40.7335**.

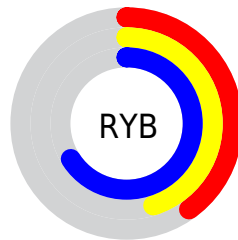
Distribution



Red (40%)

Green (46%)

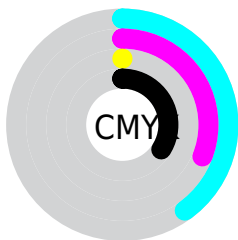
Blue (66%)



Red (40%)

Yellow (45%)

Blue (66%)

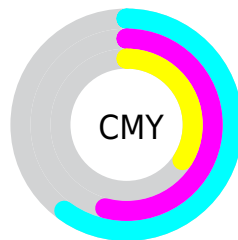


Cyan (40%)

Magenta (31%)

Yellow (0%)

Black (34%)



Cyan (60%)

Magenta (54%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0022, 18.4119, 40.0885 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 19.0022, 18.4119, 40.0885 by changing the saturation by 10% instead.

■ 19.0022, 18.4119,
40.0885

■ 19.0022, 18.4119,
40.0885

239.3988,
243.1826, 362.0596

■ 11.7759, 11.2461,
27.2932

■ 41.2547, 40.7380,
76.5368

■ 6.6624, 6.2326,
17.5592

■ 57.0115, 56.6670,
101.0270

■ 3.2963, 2.9870,
10.4678

■ 76.3426, 76.2859,
130.2525

■ 1.3123, 1.1250,
5.6006

■ 99.6132, 99.9791,
164.6319

■ 0.1924, 0.0000,
2.5389

127.1888,
128.1310, 204.5838

■ 0.0000, 0.0000,
0.8607

159.4347,

■ 0.0000, 0.0000,

161.1259, 250.5267

0.0000

196.7163,
199.3483, 302.8791

■ 19.0022, 18.4119,
40.0885

■ 19.0022, 18.4119,
40.0885

■ 15.8559, 14.6783,
39.5340

■ 22.7544, 22.7765,
40.7335

■ 13.2809, 11.5435,
39.0647

■ 27.1407, 27.7980,
41.4716

■ 11.2418, 8.9758,
38.6765

■ 32.1900, 33.5032,
42.3067

■ 9.6983, 6.9391,
38.3647

■ 37.9287, 39.9170,
43.2422

■ 8.6040, 5.3929,
38.1240

■ 44.3817, 47.0629,
44.2814

■ 7.8719, 4.2741,
37.9466

■ 51.5728, 54.9632,
45.4273

■ 7.8494, 4.2403,
37.9413

■ 59.5245, 63.6394,
46.6829

■ 68.2585, 73.1121,
48.0509

■ 77.7955, 83.4011,
49.5343

Harmonies

Analogous

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



16.0773, 18.4119, 40.0863



19.0022, 18.4119, 40.0885



21.8054, 18.4119, 33.8044

Triad

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



19.0022, 18.4119, 40.0885



21.8070, 18.4119, 10.6467



12.5910, 18.4119, 16.1425

Complementary

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



19.0022, 18.4119, 40.0885



30.3167, 32.5062, 17.2476

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.



13.8022, 18.4119, 10.6442



19.0022, 18.4119, 40.0885



19.0041, 18.4119, 8.1293

Square

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



19.0022, 18.4119, 40.0885



23.5437, 18.4119, 16.1471



16.0791, 18.4119, 8.1285



12.5906, 18.4119, 24.5301

Rectangle

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



19.0022, 18.4119, 40.0885



23.1349, 18.4119, 27.6947



16.0791, 18.4119, 8.1285



12.8635, 18.4119, 13.9559

Sweetspot

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



19.0028, 18.4126, 40.0889



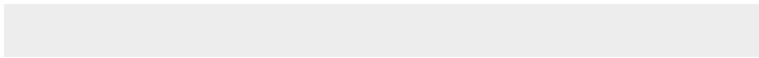
55.2087, 57.2552, 75.3666



25.4482, 33.5133, 35.4240



11.7853, 12.1997, 16.3858



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.



19.0028, 18.4126, 40.0889



28.8013, 26.7730, 70.8748



19.6407, 16.3516, 39.6575



7.2630, 7.5629, 9.4953



5.8843, 3.2288, 28.2886



0.1794, 0.1511, 0.7004

Inverse Universe

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



24.3250, 19.2228, 19.2585



39.8838, 28.9729, 27.3841



29.3740, 35.9278, 17.9577



7.5973, 7.5688, 8.1968



12.4707, 6.3970, 2.0245



0.3217, 0.1630, 0.1456

Previews

White Background



This preview shows how the XYZ color 19.0022, 18.4119, 40.0885 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 19.0022, 18.4119, 40.0885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

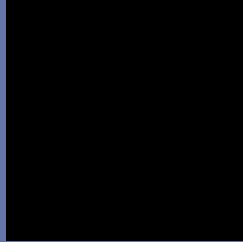
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

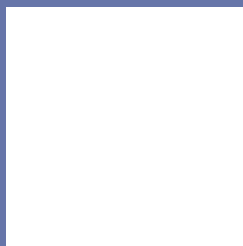
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0022, 18.4119, 40.0885

Background



This preview shows how black text looks on a background with the XYZ color 19.0022, 18.4119, 40.0885.



This preview shows how white text looks on a background with the XYZ color 19.0022, 18.4119,

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

19.0022, 18.4119, 40.0885

Protanopia

19.0022, 18.4119, 40.0885

Deuteranopia

18.8954, 18.5308, 40.1170



Tritanopia

16.0249, 18.4637, 25.2735

Trichromacy



Original Color

19.0022, 18.4119, 40.0885

Protanomaly

19.0022, 18.4119, 40.0885

Deuteranomaly

19.0067, 18.5881, 40.1222

Tritanomaly

16.9277, 18.2681, 30.2377

Monochromacy



Original Color

19.0022, 18.4119, 40.0885

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6759, 18.2078, 26.2497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0022, 18.4119, 40.0885 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(102, 117, 169)` looks like.

```
.text, #text, p{  
    color:rgb(102, 117, 169)  
}
```

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(102, 117, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 117, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.0022, 18.4119, 40.0885 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(102, 117, 169) }
```


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

```
.border{ border-color:rgb(102, 117, 169) }
```

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

Here you see how a box with a 4 pixel rgb(102, 117, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 117, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 117, 169);  
box-shadow:4px 4px 4px 4px rgb(102, 117,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0022, 18.4119, 40.0885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 117, 169) }
```

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

```
.background{ background-color: rgb(102,  
117, 169) }
```

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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