

Converting Colors

XYZ(19.4090, 19.8797, 40.3548)

Have a look what the booklet for
XYZ(19.4090, 19.8797, 40.3548)
contains.

XYZ(19.4061, 19.8765, 40.3499)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.4061, 19.8765,
40.3499)**

Conversions

Conversions Part 1

Format	Color
Hex	627CA9
RGB	98, 124, 169
RGB Percent	38%, 49%, 66%
CMY	0.6157, 0.5137, 0.3373
CMYK	0.42, 0.27, 0.00, 0.34
HSL	218°, 29%, 52%
HSV	218°, 42%, 66%
XYZ	19.4061, 19.8765, 40.3499
YIQ	121.3560, -29.9410, 8.4830

Conversions

Conversions Part 2

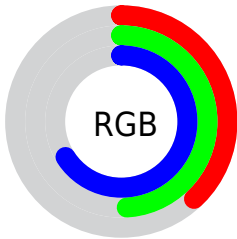
Format	Color
R _Y B	98, 117, 169
Decimal	6454441
CIE Lab	51.70, 2.62, -26.94
CIE LCh	52, 27.064, 275.562
Yxy	19.8765, 0.2437, 0.2496
Android (android.graphics.Color)	4284644521 (0xFF627CA9)
YUV	121.3560, 23.4885, -20.4832
Hunter-Lab	44.5831, -0.3230, -22.4523

Details

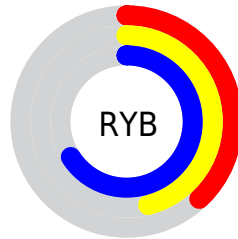
The XYZ color **19.4061, 19.8765, 40.3499** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.3900, 28.9627, 15.6502**, and the grayscale version is **18.2229, 19.1720, 20.8783**.

A 20% lighter version of the original color is **41.7424, 43.0118, 76.6231**, and **6.8537, 6.8974, 17.7997** is the 20% darker color. If you saturate the color by 10%, you get **16.5013, 16.4937, 39.8504**, and if you desaturate by 10%, it is **22.8431, 23.7510, 40.9170**.

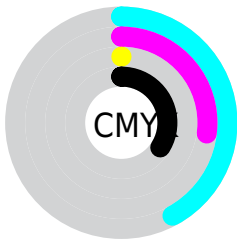
Distribution



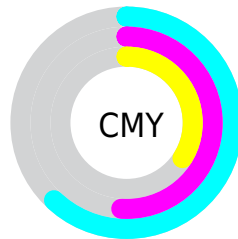
- Red (38%)
- Green (49%)
- Blue (66%)



- Red (38%)
- Yellow (46%)
- Blue (66%)



- Cyan (42%)
- Magenta (27%)
- Yellow (0%)
- Black (34%)



- Cyan (62%)
- Magenta (51%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4061, 19.8765, 40.3499 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 19.4061, 19.8765, 40.3499 by changing the saturation by 10% instead.

■ 19.4061, 19.8765,
40.3499

■ 19.4061, 19.8765,
40.3499

241.5769,
251.2458, 363.1920

■ 12.0698, 12.3053,
27.4956

■ 41.9308, 43.2100,
76.9389

■ 6.8638, 6.9520,
17.7101

■ 57.8499, 59.7412,
101.5108

■ 3.4226, 3.4321,
10.5747

■ 77.3607, 80.0277,
130.8255

■ 1.3810, 1.3613,
5.6711

■ 100.8285,
104.4541, 165.3017

■ 0.2426, 0.1879,
2.5806

128.6186,
133.4047, 205.3579

■ 0.0000, 0.0000,
0.8824

161.0965,

■ 0.0000, 0.0000,

167.2639, 251.4127

0.0000

198.6275,
206.4161, 303.8845

■ 19.4061, 19.8765,
40.3499

■ 19.4061, 19.8765,
40.3499

■ 16.5013, 16.4937,
39.8504

■ 22.8431, 23.7510,
40.9170

■ 14.0976, 13.5784,
39.4144

■ 26.8370, 28.1352,
41.5527

■ 12.1635, 11.1075,
39.0394

■ 31.4133, 33.0490,
42.2600

■ 10.6628, 9.0548,
38.7223

■ 36.5953, 38.5105,
43.0410

■ 9.5531, 7.3902,
38.4595

■ 42.4050, 44.5368,
43.8980

■ 8.8779, 6.2975,
38.2841

■ 48.8632, 51.1443,
44.8330

■ 55.9897, 58.3485,
45.8480

■ 63.8035, 66.1647,
46.9448

■ 72.3229, 74.6072,
48.1253

Harmonies

Analogous

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



16.7997, 19.8765, 38.4449



19.4061, 19.8765, 40.3499



22.1171, 19.8765, 36.3442

Triad

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



19.4061, 19.8765, 40.3499



23.4990, 19.8765, 14.0142



14.4990, 19.8765, 15.9922

Complementary

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



19.4061, 19.8765, 40.3499



28.3900, 28.9627, 15.6502

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.



15.9968, 19.8765, 11.5602



19.4061, 19.8765, 40.3499



21.1513, 19.8765, 10.6259

Square

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



19.4061, 19.8765, 40.3499



24.6218, 19.8765, 20.2155



18.3871, 19.8765, 9.8503



14.1282, 19.8765, 23.1343

Rectangle

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



19.4061, 19.8765, 40.3499



23.5675, 19.8765, 31.3209



18.3871, 19.8765, 9.8503



14.8798, 19.8765, 14.1961

Sweetspot

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



19.4068, 19.8772, 40.3504



55.1995, 58.0605, 75.5226



24.1810, 32.9553, 31.0606



11.6372, 12.2339, 16.4002



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.



19.4068, 19.8772, 40.3504



30.0875, 30.1726, 71.4632



17.6496, 14.7556, 39.4544



7.3484, 7.7336, 9.5238



6.6640, 4.7881, 28.5485



0.2109, 0.2141, 0.7109

Inverse Universe

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



24.3686, 18.6264, 21.3803



40.3311, 28.3788, 32.1228



30.7972, 36.6838, 17.0136



7.6404, 7.5860, 8.4237



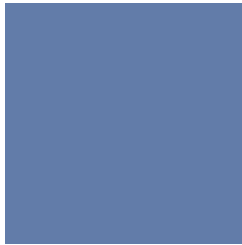
12.8643, 6.5544, 4.0968



0.3376, 0.1693, 0.2294

Previews

White Background



This preview shows how the XYZ color 19.4061, 19.8765, 40.3499 looks on a white background.

Color Contrast Check

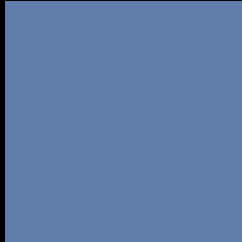
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4061, 19.8765, 40.3499 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

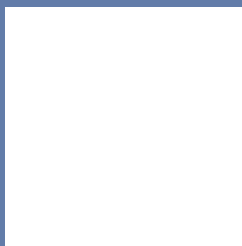
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4061, 19.8765, 40.3499

Background



This preview shows how black text looks on a background with the XYZ color 19.4061, 19.8765, 40.3499.



This preview shows how white text looks on a background with the XYZ color 19.4061, 19.8765,

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

19.4061, 19.8765, 40.3499

Protanopia

20.2428, 19.7798, 39.3102

Deuteranopia

20.2774, 19.7652, 40.7765



Tritanopia

16.8003, 19.7676, 27.7410

Trichromacy



Original Color

19.4061, 19.8765, 40.3499

Protanomaly

19.9713, 19.8104, 39.8170

Deuteranomaly

19.9242, 19.7644, 40.7950

Tritanomaly

17.6895, 19.7403, 32.1561

Monochromacy



Original Color

19.4061, 19.8765, 40.3499

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3570, 19.2648, 26.7957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4061, 19.8765, 40.3499 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(98, 124, 169) looks like.

```
.text, #text, p{  
    color:rgb(98, 124, 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(98, 124, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 124, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.4061, 19.8765, 40.3499 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(98, 124, 169) }
```


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

```
.border{ border-color:rgb(98, 124, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 124, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 124, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 124, 169);  
box-shadow:4px 4px 4px 4px rgb(98, 124,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4061, 19.8765, 40.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 124, 169) }
```

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

```
.background{ background-color: rgb(98, 124,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor