

Converting Colors

XYZ(19.7245, 16.3584, 40.6464)

Have a look what the booklet for
XYZ(19.7245, 16.3584, 40.6464)
contains.

XYZ(19.7098, 16.3650, 40.6480)	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(19.7098, 16.3650,
40.6480)**

Conversions

Conversions Part 1

Format	Color
Hex	7766AB
RGB	119, 102, 171
RGB Percent	47%, 40%, 67%
CMY	0.5333, 0.6000, 0.3294
CMYK	0.30, 0.40, 0.00, 0.33
HSL	255°, 29%, 54%
HSV	255°, 40%, 67%
XYZ	19.7098, 16.3650, 40.6480
YIQ	114.9490, -12.0170, 25.0630

Conversions

Conversions Part 2

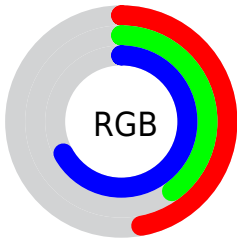
Format	Color
R_{YB}	119, 102, 171
Decimal	7825067
CIE _{Lab}	47.45, 22.46, -34.61
CIE _{LCh}	47, 41.261, 302.978
Yxy	16.3650, 0.2569, 0.2133
Android (android.graphics.Color)	4286015147 (0xFF7766AB)
YUV	114.9490, 27.6331, 3.5527
Hunter-Lab	40.4537, 16.1747, -31.2572

Details

The XYZ color **19.7098, 16.3650, 40.6480** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.2880, 36.9555, 18.1078**, and the grayscale version is **16.2023, 17.0461, 18.5632**.

A 20% lighter version of the original color is **42.4899, 37.2128, 77.6164**, and **7.0201, 5.2693, 17.7866** is the 20% darker color. If you saturate the color by 10%, you get **16.5491, 12.4932, 40.0675**, and if you desaturate by 10%, it is **23.4582, 21.0550, 41.3560**.

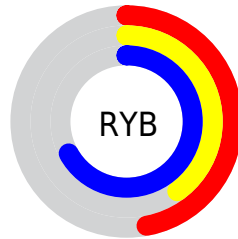
Distribution



Red (47%)

Green (40%)

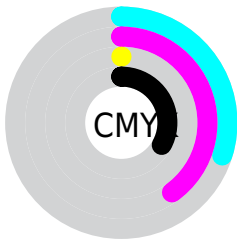
Blue (67%)



Red (47%)

Yellow (40%)

Blue (67%)

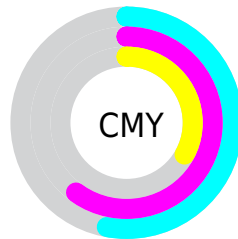


Cyan (30%)

Magenta (40%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7098, 16.3650, 40.6480 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 19.7098, 16.3650, 40.6480 by changing the saturation by 10% instead.

■ 19.7098, 16.3650,
40.6480

■ 19.7098, 16.3650,
40.6480

243.2034,
231.4860, 364.4803

■ 12.2913, 9.7828,
27.7265

■ 42.4378, 37.2307,
77.3971

■ 7.0160, 5.2552,
17.8824

■ 58.4780, 52.2830,
102.0618

■ 3.5185, 2.3978,
10.6970

■ 78.1228, 70.9275,
131.4780

■ 1.4335, 0.8247,
5.7519

■ 101.7375, 93.5485,
166.0642

■ 0.2799, 0.0000,
2.6285

129.6876,
120.5305, 206.2390

■ 0.0000, 0.0000,
0.9071

162.3384,

■ 0.0000, 0.0000,

152.2578, 252.4210

0.0000

200.0552,
189.1148, 305.0285

■ 19.7098, 16.3650,
40.6480

■ 19.7098, 16.3650,
40.6480

■ 16.5491, 12.4932,
40.0675

■ 23.4582, 21.0550,
41.3560

■ 13.9433, 9.3898,
39.6059

■ 27.8211, 26.6052,
42.1973

■ 11.8588, 7.0024,
39.2549

■ 32.8259, 33.0570,
43.1789

■ 10.2575, 5.2712,
39.0052

■ 38.4978, 40.4485,
44.3066

■ 9.0955, 4.1260,
38.8454

■ 44.8605, 48.8156,
45.5863

■ 8.3109, 3.4353,
38.7534

■ 51.9365, 58.1924,
47.0233

■ 59.7474, 68.6113,
48.6226

■ 68.3138, 80.1031,
50.3893

■ 77.3667, 92.1199,
52.2316

Harmonies

Analogous

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



15.9231, 16.3650, 46.4898



19.7098, 16.3650, 40.6480



22.7066, 16.3650, 28.6382

Triad

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



19.7098, 16.3650, 40.6480



18.9771, 16.3650, 5.2166



9.5300, 16.3650, 18.8870

Complementary

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



19.7098, 16.3650, 40.6480



30.2880, 36.9555, 18.1078

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.



10.0881, 16.3650, 10.1386



19.7098, 16.3650, 40.6480



15.1915, 16.3650, 4.3157

Square

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



19.7098, 16.3650, 40.6480



22.2391, 16.3650, 8.9429



12.0285, 16.3650, 5.6922



10.3646, 16.3650, 31.2007

Rectangle

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



19.7098, 16.3650, 40.6480



23.6401, 16.3650, 20.3987



12.0285, 16.3650, 5.6922



9.5612, 16.3650, 15.4659

Sweetspot

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



19.7104, 16.3656, 40.6484



57.0305, 56.9252, 76.9837



24.5354, 29.1750, 42.8665



12.4594, 12.3601, 17.1168



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.7104, 16.3656, 40.6484



30.4233, 23.3254, 71.9006



25.1641, 19.1771, 40.9036



7.7569, 7.8490, 10.0589



6.3067, 2.6111, 29.2161



0.2249, 0.0981, 0.8151

Inverse Universe

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



27.3791, 20.4944, 33.0850



46.1703, 31.8181, 55.7024



24.7630, 34.1073, 17.8492



8.2515, 8.1138, 9.6350



15.6629, 7.7277, 16.4020



0.4557, 0.2230, 0.5615

Previews

White Background



This preview shows how the XYZ color 19.7098, 16.3650, 40.6480 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 19.7098, 16.3650, 40.6480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

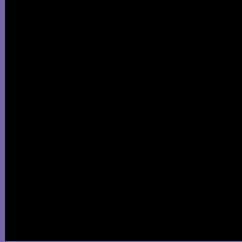
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7098, 16.3650, 40.6480

Background



This preview shows how black text looks on a background with the XYZ color 19.7098, 16.3650, 40.6480.

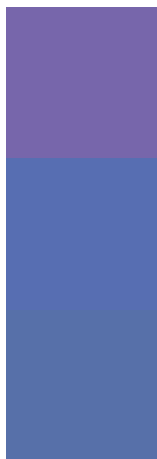


This preview shows how white text looks on a background with the XYZ color 19.7098, 16.3650,

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

19.7098, 16.3650, 40.6480

Protanopia

17.5423, 16.3925, 44.3590

Deuteranopia

16.8861, 16.4792, 39.8269



Tritanopia

15.7247, 16.4666, 20.7619

Trichromacy



Original Color

19.7098, 16.3650, 40.6480

Protanomaly

18.1411, 16.2632, 42.7404

Deuteranomaly

17.7639, 16.2801, 40.2363

Tritanomaly

17.0123, 16.3414, 27.0685

Monochromacy



Original Color

19.7098, 16.3650, 40.6480

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.1516, 16.6141, 25.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7098, 16.3650, 40.6480 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(119, 102, 171)` looks like.

```
.text, #text, p{  
    color:rgb(119, 102, 171)  
}
```

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(119, 102, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 102, 171) }
```

Border

The CSS property to change the border of an element to XYZ 19.7098, 16.3650, 40.6480 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(119, 102, 171) }
```


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

```
.border{ border-color:rgb(119, 102, 171) }
```

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

Here you see how a box with a 4 pixel rgb(119, 102, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 102, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 102, 171);  
box-shadow:4px 4px 4px 4px rgb(119, 102,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7098, 16.3650, 40.6480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 102, 171) }
```

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

```
.background{ background-color: rgb(119,  
102, 171) }
```

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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