

Converting Colors

XYZ(19.7090, 16.6099, 61.8414)

Have a look what the booklet for
XYZ(19.7090, 16.6099, 61.8414)
contains.

XYZ(19.7034, 16.6472, 61.8493)	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(19.7034, 16.6472,
61.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6BD0
RGB	77, 107, 208
RGB Percent	30%, 42%, 82%
CMY	0.6980, 0.5804, 0.1843
CMYK	0.63, 0.49, 0.00, 0.18
HSL	226°, 58%, 56%
HSV	226°, 63%, 82%
XYZ	19.7034, 16.6472, 61.8493
YIQ	109.5440, -50.3010, 25.0510

Conversions

Conversions Part 2

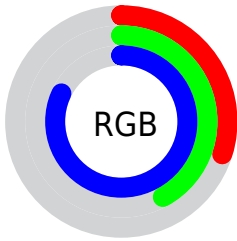
Format	Color
RYB	77, 101, 208
Decimal	5073872
CIELab	47.81, 20.86, -55.61
CIElCh	48, 59.400, 290.564
Yxy	16.6472, 0.2006, 0.1695
Android (android.graphics.Color)	4283263952 (0xFF4D6BD0)
YUV	109.5440, 48.5388, -28.5411
Hunter-Lab	40.8010, 14.7986, -61.3157

Details

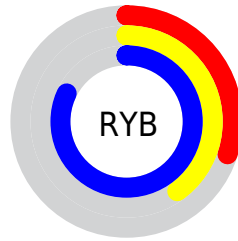
The XYZ color **19.7034, 16.6472, 61.8493** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **43.2742, 45.7894, 13.5799**, and the grayscale version is **14.5676, 15.3262, 16.6903**.

A 20% lighter version of the original color is **40.5934, 36.9921, 99.6084**, and **7.3656, 5.5316, 30.8165** is the 20% darker color. If you saturate the color by 10%, you get **16.7657, 12.8767, 61.2767**, and if you desaturate by 10%, it is **23.4891, 21.3154, 62.5512**.

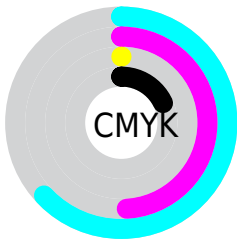
Distribution



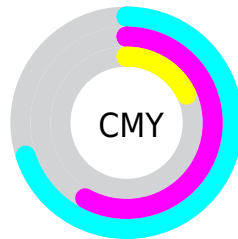
- Red (30%)
- Green (42%)
- Blue (82%)



- Red (30%)
- Yellow (40%)
- Blue (82%)



- Cyan (63%)
- Magenta (49%)
- Yellow (0%)
- Black (18%)



- Cyan (70%)
- Magenta (58%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7034, 16.6472, 61.8493 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 19.7034, 16.6472, 61.8493 by changing the saturation by 10% instead.

■ 19.7034, 16.6472,
61.8493

■ 19.7034, 16.6472,
61.8493

243.1692,
233.1310, 449.3736

■ 12.2866, 9.9833,
44.4759

■ 42.4271, 37.7182,
109.0772

■ 7.0128, 5.3879,
30.7049

■ 58.4647, 52.8940,
139.7688

■ 3.5165, 2.4766,
20.1177

■ 78.1067, 71.6760,
175.7369

■ 1.4324, 0.8649,
12.2957

■ 101.7184, 94.4484,
217.4000

■ 0.2791, 0.0000,
6.8204

129.6651,
121.5958, 265.1767

■ 0.0000, 0.0000,
3.2733

162.3123,

■ 0.0000, 0.0000,

153.5024, 319.4855

1.2358

200.0252,
190.5527, 380.7450

■ 0.0000, 0.0000,
0.0083

■ 0.0000, 0.0000,
0.0000

■ 19.7034, 16.6472,
61.8493

■ 19.7034, 16.6472,
61.8493

■ 16.7657, 12.8767,
61.2767

■ 23.4891, 21.3154,
62.5512

■ 14.6033, 9.9407,
60.8240

■ 28.1827, 26.9354,
63.3886

■ 13.1341, 7.7689,
60.4822

■ 33.8410, 33.5585,
64.3688

■ 12.4270, 6.6376,
60.3011

■ 40.5153, 41.2318,
65.4981

■ 48.2532, 49.9992,
66.7825

■ 57.0994, 59.9022,
68.2277

■ 67.0960, 70.9801,
69.8391

■ 78.2825, 83.2701,
71.6217

■ 87.2280, 95.0196,
73.4181

Harmonies

Analogous

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



14.2008, 16.6472, 65.2493



19.7034, 16.6472, 61.8493



25.1338, 16.6472, 43.9014

Triad

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



19.7034, 16.6472, 61.8493



23.2684, 16.6472, 3.5922



7.7116, 16.6472, 13.7263

Complementary

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



19.7034, 16.6472, 61.8493



43.2742, 45.7894, 13.5799

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.



9.1526, 16.6472, 5.1416



19.7034, 16.6472, 61.8493



17.5635, 16.6472, 1.8510

Square

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



19.7034, 16.6472, 61.8493



27.4919, 16.6472, 9.6458



12.4882, 16.6472, 2.1919



8.0347, 16.6472, 30.5173

Rectangle

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



19.7034, 16.6472, 61.8493



27.5918, 16.6472, 29.7552



12.4882, 16.6472, 2.1919



7.9908, 16.6472, 10.0068

Sweetspot

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



19.7041, 16.6477, 61.8497



68.6357, 70.3789, 104.5747



33.5965, 49.8819, 49.6803



13.9597, 14.2325, 22.2613



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.7041, 16.6477, 61.8497



25.0971, 18.4391, 96.8441



20.7139, 13.3035, 61.1510



11.3802, 11.8506, 14.9313



7.8062, 4.2591, 37.6031



0.4982, 0.3615, 2.1231

Inverse Universe

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



31.3208, 19.7803, 16.0773



45.4989, 25.6507, 16.0730



41.1447, 54.5401, 15.3812



11.9180, 11.8520, 12.8442



16.5710, 8.5012, 2.6469



0.9577, 0.4878, 0.3119

Previews

White Background



This preview shows how the XYZ color 19.7034, 16.6472, 61.8493 looks on a white background.

Color Contrast Check

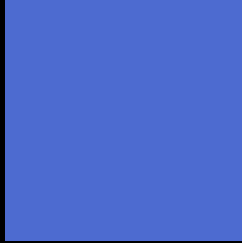
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7034, 16.6472, 61.8493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

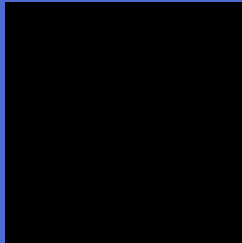
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7034, 16.6472, 61.8493

Background



This preview shows how black text looks on a background with the XYZ color 19.7034, 16.6472, 61.8493.



This preview shows how white text looks on a background with the XYZ color 19.7034, 16.6472,

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

19.7034, 16.6472, 61.8493

Protanopia

19.1973, 16.8157, 63.8620

Deuteranopia

17.0298, 16.6211, 59.4374



Tritanopia

12.2737, 16.5298, 25.0979

Trichromacy



Original Color

19.7034, 16.6472, 61.8493

Protanomaly

19.3483, 16.7487, 63.1858

Deuteranomaly

17.2925, 16.2430, 59.9814

Tritanomaly

14.3276, 16.2601, 36.1016

Monochromacy



Original Color

19.7034, 16.6472, 61.8493

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.6939, 15.6093, 29.3799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7034, 16.6472, 61.8493 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(77, 107, 208)` looks like.

```
.text, #text, p{  
    color:rgb(77, 107, 208)  
}
```

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(77, 107, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 107, 208) }
```

Border

The CSS property to change the border of an element to XYZ 19.7034, 16.6472, 61.8493 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(77, 107, 208) }
```


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

```
.border{ border-color:rgb(77, 107, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 107, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 107, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 107, 208);  
box-shadow:4px 4px 4px 4px rgb(77, 107,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7034, 16.6472, 61.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 107, 208) }
```

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

```
.background{ background-color: rgb(77, 107,  
208) }
```

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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