

Converting Colors

XYZ(16.4569, 18.8223, 48.1418)

Have a look what the booklet for
XYZ(16.4569, 18.8223, 48.1418)
contains.

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Color

**XYZ(16.4071, 18.7250,
48.0969)**

Conversions

Conversions Part 1

Format	Color
Hex	0D7FB8
RGB	13, 127, 184
RGB Percent	5%, 50%, 72%
CMY	0.9489, 0.5020, 0.2784
CMYK	0.93, 0.31, 0.00, 0.28
HSL	200°, 87%, 39%
HSV	200°, 93%, 72%
XYZ	16.4071, 18.7250, 48.0969
YIQ	99.4120, -86.2410, -6.4410

Conversions

Conversions Part 2

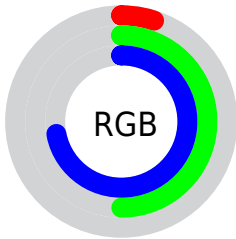
Format	Color
RYB	13, 81, 184
Decimal	884664
CIELab	50.36, -7.65, -37.90
CIElCh	50, 38.662, 258.584
Yxy	18.7250, 0.1971, 0.2250
Android (android.graphics.Color)	4279074744 (0xFF0D7FB8)
YUV	99.4120, 41.7019, -75.7833
Hunter-Lab	43.2724, -8.0469, -35.6097

Details

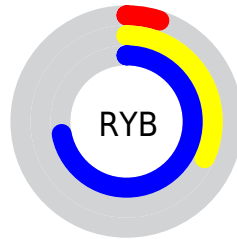
The XYZ color **16.4071, 18.7250, 48.0969** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.0324, 14.6040, 2.0395**, and the grayscale version is **11.8799, 12.4986, 13.6110**.

A 20% lighter version of the original color is **36.8733, 41.4206, 88.4896**, and **6.8211, 7.0875, 22.4812** is the 20% darker color. If you saturate the color by 10%, you get **15.6922, 17.5414, 47.9065**, and if you desaturate by 10%, it is **17.6361, 20.5711, 48.3888**.

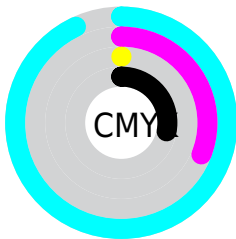
Distribution



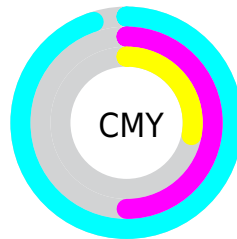
- Red (5%)
- Green (50%)
- Blue (72%)



- Red (5%)
- Yellow (32%)
- Blue (72%)



- Cyan (93%)
- Magenta (31%)
- Yellow (0%)
- Black (28%)



- Cyan (95%)
- Magenta (50%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4071, 18.7250, 48.0969 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 16.4071, 18.7250, 48.0969 by changing the saturation by 10% instead.

■ 16.4071, 18.7250,
48.0969

■ 16.4071, 18.7250,
48.0969

■ 224.9556,
244.9264, 395.6959

■ 9.9054, 11.4717,
33.5431

■ 36.8553, 41.2689,
88.7157

■ 5.3980, 6.3851,
22.2683

■ 51.5324, 57.3283,
115.6178

■ 2.5198, 3.0806,
13.8540

■ 69.6654, 77.0919,
147.4731

■ 0.9052, 1.1740,
7.8816

■ 91.6196, 100.9441,
184.7000

■ 0.0000, 0.0403,
3.9326

■ 117.7604,
129.2692, 227.7173

■ 0.0000, 0.0000,
1.5884

■ 148.4531,

■ 0.0000, 0.0000,

162.4517, 276.9433

0.2825

184.0630,
200.8760, 332.7966

■ 0.0000, 0.0000,
0.0000

■ 16.4071, 18.7250,
48.0969

■ 16.4071, 18.7250,
48.0969

■ 15.6922, 17.5414,
47.9065

■ 17.6361, 20.5711,
48.3888

■ 19.2308, 22.6782,
48.7115

■ 21.2394, 25.0728,
49.0679

■ 23.7017, 27.7765,
49.4599

■ 26.6527, 30.8085,
49.8897

■ 30.1235, 34.1860,
50.3586

■ 34.1426, 37.9247,
50.8685

■ 38.7362, 42.0393,
51.4205

■ 43.9290, 46.5434,
52.0162

Harmonies

Analogous

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



13.4379, 18.7250, 40.1462



16.4071, 18.7250, 48.0969



20.1979, 18.7250, 46.9215

Triad

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



16.4071, 18.7250, 48.0969



25.5513, 18.7250, 14.4856



12.9158, 18.7250, 9.5449

Complementary

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



16.4071, 18.7250, 48.0969



22.0324, 14.6040, 2.0395

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.



15.5954, 18.7250, 6.4031



16.4071, 18.7250, 48.0969



23.0108, 18.7250, 8.4851

Square

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



16.4071, 18.7250, 48.0969



25.8496, 18.7250, 24.7586



19.2644, 18.7250, 6.0990



11.6197, 18.7250, 16.5652

Rectangle

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



16.4071, 18.7250, 48.0969



22.6881, 18.7250, 41.1863



19.2644, 18.7250, 6.0990



13.6657, 18.7250, 8.1244

Sweetspot

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



16.4078, 18.7256, 48.0974



57.7218, 64.9032, 91.6899



18.4133, 34.8096, 11.5465



11.7953, 13.3817, 19.6829



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.4078, 18.7256, 48.0974



28.2173, 31.3408, 86.7668



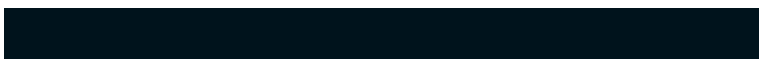
9.6296, 5.1692, 45.8380



9.0076, 9.6924, 11.4755



10.8819, 12.2235, 33.0389



0.4380, 0.5397, 1.1828

Inverse Universe

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



23.7425, 12.0115, 21.1462



42.1598, 21.0034, 34.9914



31.6459, 33.8311, 5.2440



9.2502, 9.1104, 10.6649



16.1064, 8.0163, 13.7129



0.5952, 0.2936, 0.6280

Previews

White Background



This preview shows how the XYZ color 16.4071, 18.7250, 48.0969 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 16.4071, 18.7250, 48.0969 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 16.4071, 18.7250, 48.0969

Background



This preview shows how black text looks on a background with the XYZ color 16.4071, 18.7250, 48.0969.

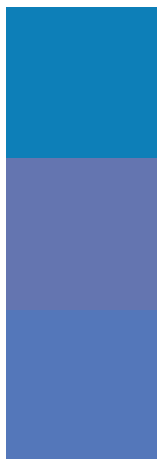


This preview shows how white text looks on a background with the XYZ color 16.4071, 18.7250,

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

16.4071, 18.7250, 48.0969

Protanopia

19.4533, 18.5665, 43.6327

Deuteranopia

19.1159, 18.6236, 49.0416



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

16.4071, 18.7250, 48.0969

Protanomaly

17.3580, 18.1584, 45.2379

Deuteranomaly

17.4614, 18.3214, 48.5150

Tritanomaly

14.2647, 18.6992, 34.7558

Monochromacy



Original Color

16.4071, 18.7250, 48.0969

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8818, 13.7779, 23.1523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4071, 18.7250, 48.0969 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(13, 127, 184)` looks like.

```
.text, #text, p{  
    color:rgb(13, 127, 184)  
}
```

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(13, 127, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 127, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.4071, 18.7250, 48.0969 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(13, 127, 184) }
```


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

```
.border{ border-color:rgb(13, 127, 184) }
```

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

Here you see how a box with a 4 pixel rgb(13, 127, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 127, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 127, 184);  
box-shadow:4px 4px 4px 4px rgb(13, 127,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4071, 18.7250, 48.0969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 127, 184) }
```

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

```
.background{ background-color: rgb(13, 127,  
184) }
```

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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