

Converting Colors

XYZ(16.1268, 18.0134, 47.8513)

Have a look what the booklet for
XYZ(16.1268, 18.0134, 47.8513)
contains.

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Color

**XYZ(16.1479, 18.0247,
47.9754)**

Conversions

Conversions Part 1

Format	Color
Hex	147CB8
RGB	20, 124, 184
RGB Percent	8%, 49%, 72%
CMY	0.9215, 0.5137, 0.2784
CMYK	0.89, 0.33, 0.00, 0.28
HSL	202°, 80%, 40%
HSV	202°, 89%, 72%
XYZ	16.1479, 18.0247, 47.9754
YIQ	99.7440, -81.2440, -3.3880

Conversions

Conversions Part 2

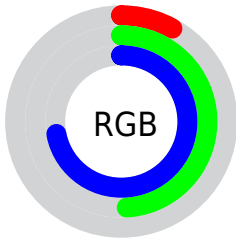
Format	Color
R_{YB}	20, 84, 184
Decimal	1342648
CIE _{Lab}	49.53, -5.51, -39.21
CIE _{LCh}	50, 39.599, 261.995
Yxy	18.0247, 0.1966, 0.2194
Android (android.graphics.Color)	4279532728 (0xFF147CB8)
YUV	99.7440, 41.5382, -69.9355
Hunter-Lab	42.4555, -6.4049, -37.2798

Details

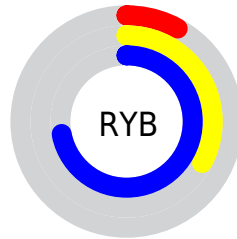
The XYZ color **16.1479, 18.0247, 47.9754** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.7643, 15.9820, 2.5480**, and the grayscale version is **11.9626, 12.5856, 13.7057**.

A 20% lighter version of the original color is **36.2905, 39.9386, 88.2343**, and **6.6812, 6.8076, 22.4346** is the 20% darker color. If you saturate the color by 10%, you get **15.0647, 16.2564, 47.6916**, and if you desaturate by 10%, it is **17.5475, 20.0421, 48.2914**.

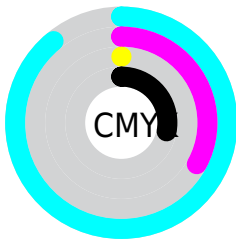
Distribution



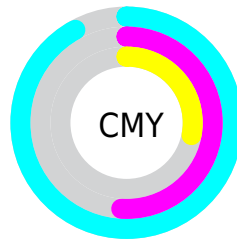
- Red (8%)
- Green (49%)
- Blue (72%)



- Red (8%)
- Yellow (33%)
- Blue (72%)



- Cyan (89%)
- Magenta (33%)
- Yellow (0%)
- Black (28%)



- Cyan (92%)
- Magenta (51%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1479, 18.0247, 47.9754 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 16.1479, 18.0247, 47.9754 by changing the saturation by 10% instead.

■ 16.1479, 18.0247,
47.9754

■ 16.1479, 18.0247,
47.9754

■ 223.4661,
241.0102, 395.2005

■ 9.7204, 10.9677,
33.4476

■ 36.4102, 40.0794,
88.5329

■ 5.2748, 6.0451,
22.1956

■ 50.9756, 55.8459,
115.3997

■ 2.4458, 2.8725,
13.8010

■ 68.9844, 75.2844,
147.2166

■ 0.8680, 1.0656,
7.8452

■ 90.8019, 98.7793,
184.4020

■ 0.0000, 0.0000,
3.9097

■ 116.7935,
126.7149, 227.3746

■ 0.0000, 0.0000,
1.5759

■ 147.3245,

■ 0.0000, 0.0000,

159.4757, 276.5528

0.2736

182.7602,
197.4460, 332.3553

■ 0.0000, 0.0000,
0.0000

■ 16.1479, 18.0247,
47.9754

■ 16.1479, 18.0247,
47.9754

■ 15.0647, 16.2564,
47.6916

■ 17.5475, 20.0421,
48.2914

■ 14.9751, 16.1074,
47.6675

■ 19.3413, 22.3497,
48.6423

■ 21.5746, 24.9726,
49.0308

■ 24.2852, 27.9319,
49.4592

■ 27.5068, 31.2466,
49.9292

■ 31.2698, 34.9336,
50.4425

■ 35.6019, 39.0088,
51.0008

■ 40.5289, 43.4869,
51.6055

■ 46.0751, 48.3818,
52.2580

Harmonies

Analogous

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



13.0671, 18.0247, 40.7913



16.1479, 18.0247, 47.9754



19.9749, 18.0247, 45.6532

Triad

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



16.1479, 18.0247, 47.9754



24.7195, 18.0247, 12.8670



12.0582, 18.0247, 9.4641

Complementary

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



16.1479, 18.0247, 47.9754



22.7643, 15.9820, 2.5480

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.



14.5724, 18.0247, 6.0360



16.1479, 18.0247, 47.9754



21.9628, 18.0247, 7.4424

Square

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



16.1479, 18.0247, 47.9754



25.3041, 18.0247, 22.6424



18.1552, 18.0247, 5.4624



10.9412, 18.0247, 16.8899

Rectangle

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



16.1479, 18.0247, 47.9754



22.4195, 18.0247, 39.3056



18.1552, 18.0247, 5.4624



12.7489, 18.0247, 7.9368

Sweetspot

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



16.1486, 18.0253, 47.9759



57.9193, 64.5067, 91.6030



18.7839, 34.9720, 12.8588



11.9524, 13.3942, 19.6770



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.



16.1486, 18.0253, 47.9759



26.9106, 28.7275, 86.3312



9.8648, 5.4577, 45.8813



8.9829, 9.6430, 11.4673



10.3899, 11.2395, 32.8749



0.4231, 0.5098, 1.1779

Inverse Universe

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



23.6561, 12.1469, 20.1669



41.5003, 20.7396, 31.5183



32.3616, 35.1766, 5.7471



9.2377, 9.1055, 10.5992



15.8580, 7.9170, 12.4050



0.5877, 0.2906, 0.5883

Previews

White Background



This preview shows how the XYZ color 16.1479, 18.0247, 47.9754 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 16.1479, 18.0247, 47.9754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

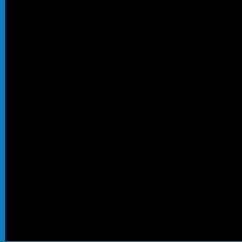
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1479, 18.0247, 47.9754

Background



This preview shows how black text looks on a background with the XYZ color 16.1479, 18.0247, 47.9754.



This preview shows how white text looks on a background with the XYZ color 16.1479, 18.0247,

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

16.1479, 18.0247, 47.9754

Protanopia

18.7911, 17.8829, 43.5356

Deuteranopia

18.4487, 17.9300, 48.9429



Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Original Color

16.1479, 18.0247, 47.9754

Protanomaly

16.9990, 17.4405, 45.1182

Deuteranomaly

17.2183, 17.8353, 48.4340

Tritanomaly

13.8075, 17.8838, 34.1767

Monochromacy



Original Color

16.1479, 18.0247, 47.9754

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1639, 13.9156, 23.5176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1479, 18.0247, 47.9754 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(20, 124, 184)` looks like.

```
.text, #text, p{  
    color:rgb(20, 124, 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(20, 124, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 124, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.1479, 18.0247, 47.9754 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(20, 124, 184) }
```


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

```
.border{ border-color:rgb(20, 124, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 124, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 124, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 124, 184);  
box-shadow:4px 4px 4px 4px rgb(20, 124,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1479, 18.0247, 47.9754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 124, 184) }
```

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

```
.background{ background-color: rgb(20, 124,  
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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