

Converting Colors

XYZ(16.3365, 14.8237, 47.1954)

Have a look what the booklet for
XYZ(16.3365, 14.8237, 47.1954)
contains.

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Color

**XYZ(16.3497, 14.7778,
47.3381)**

Conversions

Conversions Part 1

Format	Color
Hex	4968B8
RGB	73, 104, 184
RGB Percent	29%, 41%, 72%
CMY	0.7137, 0.5922, 0.2784
CMYK	0.60, 0.43, 0.00, 0.28
HSL	223°, 44%, 50%
HSV	223°, 60%, 72%
XYZ	16.3497, 14.7778, 47.3381
YIQ	103.8510, -44.1560, 18.3080

Conversions

Conversions Part 2

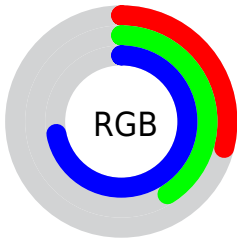
Format	Color
R_{YB}	73, 97, 184
Decimal	4810936
CIE _{Lab}	45.33, 13.73, -45.77
CIE _{LCh}	45, 47.788, 286.694
Yxy	14.7778, 0.2084, 0.1883
Android (android.graphics.Color)	4283001016 (0xFF4968B8)
YUV	103.8510, 39.5135, -27.0563
Hunter-Lab	38.4419, 8.6444, -46.1015

Details

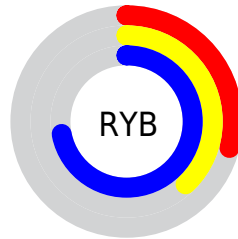
The XYZ color **16.3497, 14.7778, 47.3381** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **32.3622, 33.4556, 11.0562**, and the grayscale version is **13.0252, 13.7035, 14.9231**.

A 20% lighter version of the original color is **36.8045, 34.5394, 87.9461**, and **5.5423, 4.6378, 21.7222** is the 20% darker color. If you saturate the color by 10%, you get **13.9247, 11.6995, 46.8721**, and if you desaturate by 10%, it is **19.3983, 18.4895, 47.8942**.

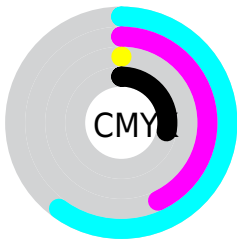
Distribution



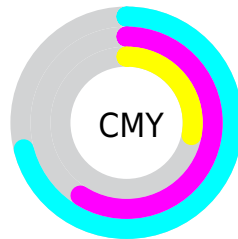
- Red (29%)
- Green (41%)
- Blue (72%)



- Red (29%)
- Yellow (38%)
- Blue (72%)



- Cyan (60%)
- Magenta (43%)
- Yellow (0%)
- Black (28%)



- Cyan (71%)
- Magenta (59%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3497, 14.7778, 47.3381 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 16.3497, 14.7778, 47.3381 by changing the saturation by 10% instead.

■ 16.3497, 14.7778,
47.3381

■ 16.3497, 14.7778,
47.3381

224.6265,
222.0173, 392.5952

■ 9.8644, 8.6636,
32.9468

■ 36.7568, 34.4629,
87.5733

■ 5.3707, 4.5224,
21.8149

■ 51.4093, 48.8026,
114.2543

■ 2.5033, 1.9699,
13.5239

■ 69.5149, 66.6529,
145.8689

■ 0.8969, 0.5899,
7.6554

■ 91.4389, 88.3982,
182.8357

■ 0.0000, 0.0000,
3.7906

■ 117.5467,
114.4229, 225.5732

■ 0.0000, 0.0000,
1.5112

148.2037,

■ 0.0000, 0.0000,

145.1114, 274.4999

0.2262

183.7752,
180.8481, 330.0344

■ 0.0000, 0.0000,
0.0000

■ 16.3497, 14.7778,
47.3381

■ 16.3497, 14.7778,
47.3381

■ 13.9247, 11.6995,
46.8721

■ 19.3983, 18.4895,
47.8942

■ 12.0740, 9.2143,
46.4899

■ 23.1107, 22.8685,
48.5437

■ 10.7432, 7.2786,
46.1864

■ 27.5258, 27.9478,
49.2914

■ 9.8524, 5.8619,
45.9599

■ 32.6790, 33.7577,
50.1413

■ 38.6030, 40.3266,
51.0970

■ 45.3287, 47.6813,
52.1621

■ 52.8850, 55.8473,
53.3400

■ 61.2996, 64.8490,
54.6340

■ 70.5989, 74.7095,
56.0472

Harmonies

Analogous

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



12.3646, 14.7778, 48.0270



16.3497, 14.7778, 47.3381



20.3503, 14.7778, 36.1715

Triad

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



16.3497, 14.7778, 47.3381



19.9452, 14.7778, 4.8637



7.8605, 14.7778, 11.5738

Complementary

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



16.3497, 14.7778, 47.3381



32.3622, 33.4556, 11.0562

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.



9.1998, 14.7778, 5.2863



16.3497, 14.7778, 47.3381



15.8729, 14.7778, 2.8286

Square

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



16.3497, 14.7778, 47.3381



22.6786, 14.7778, 10.6020



11.9693, 14.7778, 2.9347



7.9399, 14.7778, 23.2063

Rectangle

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



16.3497, 14.7778, 47.3381



22.2676, 14.7778, 26.3570



11.9693, 14.7778, 2.9347



8.1471, 14.7778, 8.9106

Sweetspot

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



16.3503, 14.7783, 47.3385



61.2961, 63.4898, 91.2287



25.6015, 37.9831, 35.9255



12.5831, 12.9824, 19.5643



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.



16.3503, 14.7783, 47.3385



24.1725, 19.8032, 84.7530



15.9703, 10.7709, 46.5850



8.7198, 9.1169, 11.3796



6.8426, 4.1448, 31.6925



0.2952, 0.2541, 1.1352

Inverse Universe

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



24.6490, 15.9558, 14.8776



40.9599, 23.7459, 18.7381



32.8310, 42.2310, 12.7253



9.1049, 9.0523, 9.9000



14.0675, 7.2008, 2.9763



0.5232, 0.2647, 0.2485

Previews

White Background



This preview shows how the XYZ color 16.3497, 14.7778, 47.3381 looks on a white background.

Color Contrast Check

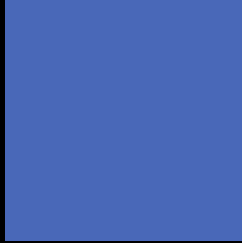
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3497, 14.7778, 47.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

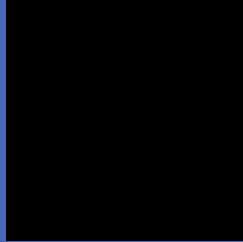
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3497, 14.7778, 47.3381

Background



This preview shows how black text looks on a background with the XYZ color 16.3497, 14.7778, 47.3381.



This preview shows how white text looks on a background with the XYZ color 16.3497, 14.7778,

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

16.3497, 14.7778, 47.3381

Protanopia

16.2745, 14.7390, 47.3346

Deuteranopia

15.2252, 14.8221, 46.8582



Tritanopia

11.2539, 14.8098, 22.0041

Trichromacy



Original Color

16.3497, 14.7778, 47.3381

Protanomaly

16.2745, 14.7390, 47.3346

Deuteranomaly

15.5499, 14.8338, 46.8434

Tritanomaly

12.6915, 14.5357, 29.7405

Monochromacy



Original Color

16.3497, 14.7778, 47.3381

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.6982, 13.9212, 24.1554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3497, 14.7778, 47.3381 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(73, 104, 184)` looks like.

```
.text, #text, p{  
    color:rgb(73, 104, 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(73, 104, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 104, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.3497, 14.7778, 47.3381 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(73, 104, 184) }
```


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

```
.border{ border-color:rgb(73, 104, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 104, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 104, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 104, 184);  
box-shadow:4px 4px 4px 4px rgb(73, 104,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3497, 14.7778, 47.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 104, 184) }
```

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

```
.background{ background-color: rgb(73, 104,  
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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