

Converting Colors

XYZ(16.3082, 17.4664, 51.7541)

Have a look what the booklet for
XYZ(16.3082, 17.4664, 51.7541)
contains.

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Color

**XYZ(16.3164, 17.4751,
51.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	0679BF
RGB	6, 121, 191
RGB Percent	2%, 47%, 75%
CMY	0.9763, 0.5255, 0.2510
CMYK	0.97, 0.37, 0.00, 0.25
HSL	203°, 94%, 39%
HSV	203°, 97%, 75%
XYZ	16.3164, 17.4751, 51.8033
YIQ	94.5950, -91.0100, -2.6100

Conversions

Conversions Part 2

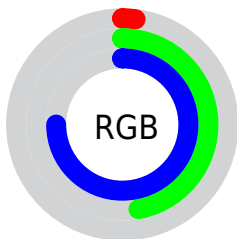
Format	Color
RYB	6, 77, 191
Decimal	424383
CIELab	48.85, -1.65, -44.32
CIELCh	49, 44.348, 267.862
Yxy	17.4751, 0.1906, 0.2042
Android (android.graphics.Color)	4278614463 (0xFF0679BF)
YUV	94.5950, 47.5277, -77.6978
Hunter-Lab	41.8032, -3.4845, -44.2110

Details

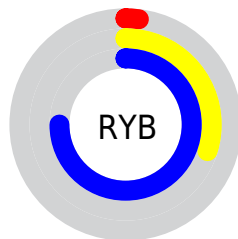
The XYZ color **16.3164, 17.4751, 51.8033** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **24.1057, 16.2628, 2.0417**, and the grayscale version is **10.6890, 11.2456, 12.2465**.

A 20% lighter version of the original color is **36.7107, 39.1512, 94.4290**, and **6.8979, 6.5712, 24.5717** is the 20% darker color. If you saturate the color by 10%, you get **15.9675, 16.8885, 51.7088**, and if you desaturate by 10%, it is **17.5574, 19.4683, 52.1230**.

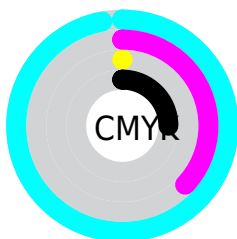
Distribution



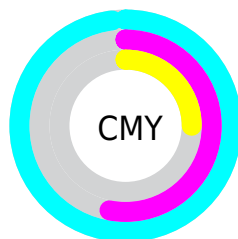
- Red (2%)
- Green (47%)
- Blue (75%)



- Red (2%)
- Yellow (30%)
- Blue (75%)



- Cyan (97%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)



- Cyan (98%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3164, 17.4751, 51.8033 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 16.3164, 17.4751, 51.8033 by changing the saturation by 10% instead.

■ 16.3164, 17.4751,
51.8033

■ 16.3164, 17.4751,
51.8033

■ 224.4354,
237.8956, 410.6121

■ 9.8406, 10.5738,
36.4672

■ 36.6996, 39.1409,
94.2647

■ 5.3548, 5.7810,
24.5027

■ 51.3378, 54.6741,
122.2271

■ 2.4938, 2.7124,
15.4913

■ 69.4274, 73.8534,
155.2352

■ 0.8921, 0.9835,
9.0145

■ 91.3339, 97.0633,
193.7077

■ 0.0000, 0.0000,
4.6537

■ 117.4226,
124.6880, 238.0631

■ 0.0000, 0.0000,
1.9904

■ 148.0589,

■ 0.0000, 0.0000,

157.1121, 288.7200

0.5493

183.6080,
194.7198, 346.0968

■ 0.0000, 0.0000,
0.0000

■ 16.3164, 17.4751,
51.8033

■ 16.3164, 17.4751,
51.8033

■ 15.9675, 16.8885,
51.7088

■ 17.5574, 19.4683,
52.1230

■ 19.1807, 21.7582,
52.4795

■ 21.2506, 24.3801,
52.8764

■ 23.8141, 27.3602,
53.3165

■ 26.9117, 30.7213,
53.8020

■ 30.5796, 34.4838,
54.3349

■ 34.8505, 38.6664,
54.9172

■ 39.7543, 43.2863,
55.5504

■ 45.3191, 48.3596,
56.2364

Harmonies

Analogous

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



12.7492, 17.4751, 45.3575



16.3164, 17.4751, 51.8033



20.5847, 17.4751, 46.8814

Triad

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



16.3164, 17.4751, 51.8033



24.6244, 17.4751, 10.2868



10.7746, 17.4751, 9.3462

Complementary

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



16.3164, 17.4751, 51.8033



24.1057, 16.2628, 2.0417

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.



13.1822, 17.4751, 5.2099



16.3164, 17.4751, 51.8033



21.1797, 17.4751, 5.5742

Square

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



16.3164, 17.4751, 51.8033



25.8279, 17.4751, 19.8845



16.9062, 17.4751, 4.1855



9.8961, 17.4751, 18.1953

Rectangle

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



16.3164, 17.4751, 51.8033



23.1882, 17.4751, 38.6174



16.9062, 17.4751, 4.1855



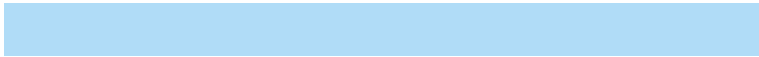
11.4102, 17.4751, 7.5213

Sweetspot

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



16.3171, 17.4756, 51.8038



60.3077, 67.2163, 98.0746



19.9376, 37.7933, 12.6968



12.5153, 14.0480, 21.4372



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.3171, 17.4756, 51.8038



28.3559, 29.7636, 92.5296



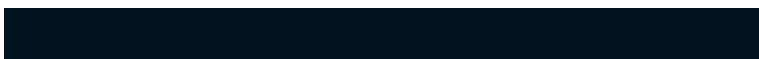
9.9616, 4.7646, 49.6853



9.4970, 10.1863, 12.1378



10.5731, 11.2579, 34.0086



0.4753, 0.5632, 1.3525

Inverse Universe

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



25.0028, 12.5879, 19.2015



44.2927, 22.1624, 32.4032



35.2169, 38.4852, 5.7455



9.7727, 9.6334, 11.1921



16.3376, 8.1662, 12.3371



0.6708, 0.3322, 0.6458

Previews

White Background



This preview shows how the XYZ color 16.3164, 17.4751, 51.8033 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 16.3164, 17.4751, 51.8033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

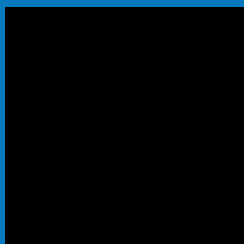
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3164, 17.4751, 51.8033

Background



This preview shows how black text looks on a background with the XYZ color 16.3164, 17.4751, 51.8033.



This preview shows how white text looks on a background with the XYZ color 16.3164, 17.4751,

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

16.3164, 17.4751, 51.8033

Protanopia

18.6767, 17.3948, 47.7206

Deuteranopia

17.9398, 17.4204, 52.2861



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

16.3164, 17.4751, 51.8033

Protanomaly

17.0187, 17.0084, 49.3997

Deuteranomaly

17.0316, 17.2981, 52.3104

Tritanomaly

13.5717, 17.3689, 34.5355

Monochromacy



Original Color

16.3164, 17.4751, 51.8033

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0295, 12.5691, 22.9639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3164, 17.4751, 51.8033 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(6, 121, 191)` looks like.

```
.text, #text, p{  
    color:rgb(6, 121, 191)  
}
```

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(6, 121, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 121, 191) }
```

Border

The CSS property to change the border of an element to XYZ 16.3164, 17.4751, 51.8033 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(6, 121, 191) }
```


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

```
.border{ border-color:rgb(6, 121, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 121, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 121, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 121, 191);  
box-shadow:4px 4px 4px 4px rgb(6, 121,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3164, 17.4751, 51.8033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 121, 191) }
```

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

```
.background{ background-color: rgb(6, 121,  
191) }
```

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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