

Converting Colors

XYZ(16.4490, 17.5699, 32.7393)

Have a look what the booklet for
XYZ(16.4490, 17.5699, 32.7393)
contains.

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Color

**XYZ(16.4664, 17.6174,
32.6696)**

Conversions

Conversions Part 1

Format	Color
Hex	597799
RGB	89, 119, 153
RGB Percent	35%, 47%, 60%
CMY	0.6510, 0.5333, 0.4000
CMYK	0.42, 0.22, 0.00, 0.40
HSL	212°, 26%, 47%
HSV	212°, 42%, 60%
XYZ	16.4664, 17.6174, 32.6696
YIQ	113.9060, -28.7940, 4.2140

Conversions

Conversions Part 2

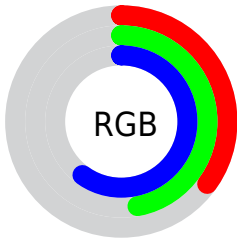
Format	Color
R _Y B	89, 109, 153
Decimal	5863321
CIE Lab	49.03, -1.56, -21.77
CIE LCh	49, 21.830, 265.897
Yxy	17.6174, 0.2467, 0.2639
Android (android.graphics.Color)	4284053401 (0xFF597799)
YUV	113.9060, 19.2733, -21.8426
Hunter-Lab	41.9731, -3.4258, -16.7670

Details

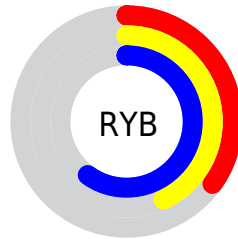
The XYZ color **16.4664, 17.6174, 32.6696** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.0234, 21.6599, 12.4718**, and the grayscale version is **15.9168, 16.7457, 18.2361**.

A 20% lighter version of the original color is **36.8099, 39.2935, 64.6758**, and **5.4508, 5.8779, 13.4176** is the 20% darker color. If you saturate the color by 10%, you get **14.2217, 15.0854, 32.2995**, and if you desaturate by 10%, it is **19.1002, 20.4735, 33.0824**.

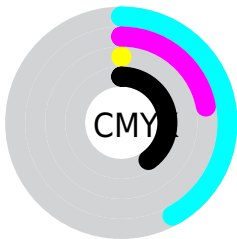
Distribution



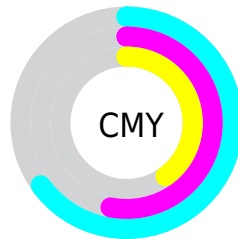
- Red (35%)
- Green (47%)
- Blue (60%)



- Red (35%)
- Yellow (43%)
- Blue (60%)



- Cyan (42%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (65%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4664, 17.6174, 32.6696 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 16.4664, 17.6174, 32.6696 by changing the saturation by 10% instead.

■ 16.4664, 17.6174,
32.6696

■ 16.4664, 17.6174,
32.6696

225.2950,
238.7056, 328.7445

■ 9.9477, 10.6757,
21.6044

■ 36.9570, 39.3843,
64.9694

■ 5.4263, 5.8492,
13.3710

■ 51.6596, 54.9782,
87.0411

■ 2.5368, 2.7536,
7.5508

■ 69.8209, 74.2250,
113.6187

■ 0.9139, 1.0045,
3.7253

■ 91.8062, 97.5091,
145.1208

■ 0.0000, 0.0000,
1.4759

117.9809,
125.2147, 181.9659

■ 0.0000, 0.0000,
0.1998

148.7104,

■ 0.0000, 0.0000,

157.7265, 224.5725

0.0000

184.3600,
195.4286, 273.3592

■ 16.4664, 17.6174,
32.6696

■ 16.4664, 17.6174,
32.6696

■ 14.2217, 15.0854,
32.2995

■ 19.1002, 20.4735,
33.0824

■ 12.3433, 12.8616,
31.9693

■ 22.1406, 23.6648,
33.5381

■ 10.8083, 10.9315,
31.6776

■ 25.6064, 27.2039,
34.0386

■ 9.5904, 9.2781,
31.4227

■ 29.5145, 31.1024,
34.5851

■ 8.6587, 7.8821,
31.2023

■ 33.8806, 35.3711,
35.1789

■ 8.0491, 6.8985,
31.0446

■ 38.7200, 40.0205,
35.8213

■ 44.0471, 45.0604,
36.5133

■ 49.8755, 50.5005,
37.2561

■ 56.2185, 56.3499,
38.0509

Harmonies

Analogous

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



14.6455, 17.6174, 30.0365



16.4664, 17.6174, 32.6696



18.5123, 17.6174, 31.1308

Triad

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



16.4664, 17.6174, 32.6696



20.5167, 17.6174, 14.6930



13.7096, 17.6174, 13.5608

Complementary

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



16.4664, 17.6174, 32.6696



22.0234, 21.6599, 12.4718

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.



15.0935, 17.6174, 10.7650



16.4664, 17.6174, 32.6696



19.0357, 17.6174, 11.3198

Square

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



16.4664, 17.6174, 32.6696



20.9582, 17.6174, 19.9954



17.0263, 17.6174, 10.0362



13.1377, 17.6174, 18.3917

Rectangle

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



16.4664, 17.6174, 32.6696



19.7143, 17.6174, 28.0849



17.0263, 17.6174, 10.0362



14.0895, 17.6174, 12.3932

Sweetspot

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



16.4670, 17.6181, 32.6700



44.9235, 47.7744, 60.8256



19.0285, 26.3135, 22.5107



9.6295, 10.2547, 13.3893



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.4670, 17.6181, 32.6700



25.7814, 27.3756, 57.8972



13.5456, 11.6223, 31.6667



6.1112, 6.4798, 7.8576



6.6853, 5.7673, 25.6686



0.1359, 0.1582, 0.3957

Inverse Universe

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



20.0395, 15.2495, 19.3407



33.2248, 23.2151, 29.9516



26.1312, 30.1730, 13.8985



6.3233, 6.2685, 7.0824



11.8332, 5.9875, 5.6467



0.1951, 0.0968, 0.1800

Previews

White Background



This preview shows how the XYZ color 16.4664, 17.6174, 32.6696 looks on a white background.

Color Contrast Check

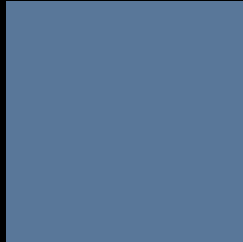
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4664, 17.6174, 32.6696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

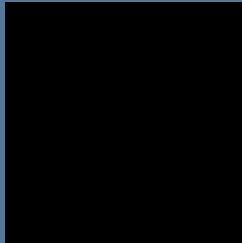
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

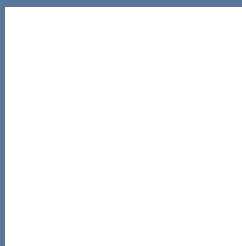
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4664, 17.6174, 32.6696

Background



This preview shows how black text looks on a background with the XYZ color 16.4664, 17.6174, 32.6696.

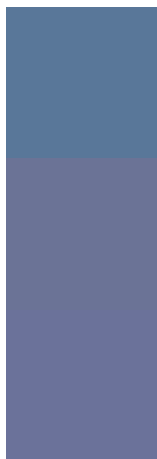


This preview shows how white text looks on a background with the XYZ color 16.4664, 17.6174,

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

16.4664, 17.6174, 32.6696

Protanopia

17.6992, 17.5893, 31.3164

Deuteranopia

17.9135, 17.4935, 33.0043



Tritanopia

14.8839, 17.6984, 24.8220

Trichromacy



Original Color

16.4664, 17.6174, 32.6696

Protanomaly

17.0868, 17.4345, 31.7428

Deuteranomaly

17.3337, 17.5332, 33.0425

Tritanomaly

15.4395, 17.7438, 27.4221

Monochromacy



Original Color

16.4664, 17.6174, 32.6696

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9674, 17.0526, 22.8720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4664, 17.6174, 32.6696 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(89, 119, 153)` looks like.

```
.text, #text, p{  
    color:rgb(89, 119, 153)  
}
```

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(89, 119, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 119, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.4664, 17.6174, 32.6696 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(89, 119, 153) }
```


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

```
.border{ border-color:rgb(89, 119, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 119, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 119, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 119, 153);  
box-shadow:4px 4px 4px 4px rgb(89, 119,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4664, 17.6174, 32.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 119, 153) }
```

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

```
.background{ background-color: rgb(89, 119,  
153) }
```

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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