

Converting Colors

XYZ(16.0732, 16.2741, 33.9763)

Have a look what the booklet for
XYZ(16.0732, 16.2741, 33.9763)
contains.

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Color

**XYZ(16.2074, 16.4182,
34.2131)**

Conversions

Conversions Part 1

Format	Color
Hex	5A719D
RGB	90, 113, 157
RGB Percent	35%, 44%, 62%
CMY	0.6470, 0.5569, 0.3843
CMYK	0.43, 0.28, 0.00, 0.38
HSL	219°, 27%, 48%
HSV	219°, 43%, 62%
XYZ	16.2074, 16.4182, 34.2131
YIQ	111.1390, -27.8320, 8.8080

Conversions

Conversions Part 2

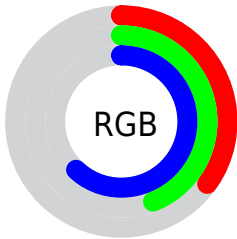
Format	Color
R_{YB}	90, 107, 157
Decimal	5927325
CIE _{Lab}	47.52, 3.48, -26.45
CIE _{LCh}	48, 26.682, 277.491
Yxy	16.4182, 0.2425, 0.2456
Android (android.graphics.Color)	4284117405 (0xFF5A719D)
YUV	111.1390, 22.6095, -18.5389
Hunter-Lab	40.5194, 0.4895, -21.6988

Details

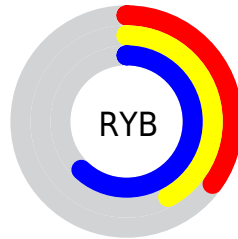
The XYZ color **16.2074, 16.4182, 34.2131** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.2758, 24.9573, 13.2114**, and the grayscale version is **15.0924, 15.8784, 17.2916**.

A 20% lighter version of the original color is **36.6665, 37.5034, 67.5937**, and **5.2394, 5.2126, 14.0946** is the 20% darker color. If you saturate the color by 10%, you get **13.7529, 13.5414, 33.7875**, and if you desaturate by 10%, it is **19.1163, 19.7239, 34.6982**.

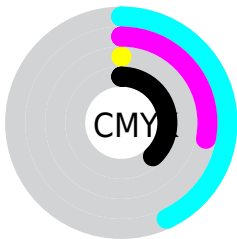
Distribution



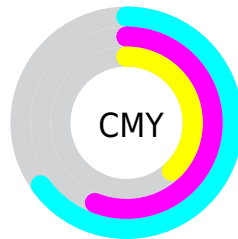
- Red (35%)
- Green (44%)
- Blue (62%)



- Red (35%)
- Yellow (42%)
- Blue (62%)



- Cyan (43%)
- Magenta (28%)
- Yellow (0%)
- Black (38%)



- Cyan (65%)
- Magenta (56%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2074, 16.4182, 34.2131 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 16.2074, 16.4182, 34.2131 by changing the saturation by 10% instead.

■ 16.2074, 16.4182,
34.2131

■ 16.2074, 16.4182,
34.2131

223.8089,
231.7969, 335.8793

■ 9.7628, 9.8206,
22.7787

■ 36.5124, 37.3227,
67.4026

■ 5.3030, 5.2801,
14.2264

■ 51.1036, 52.3984,
89.9948

■ 2.4627, 2.4126,
8.1378

■ 69.1410, 71.0688,
117.1432

■ 0.8765, 0.8323,
4.0942

■ 90.9900, 93.7185,
149.2666

■ 0.0000, 0.0000,
1.6772

117.0159,
120.7317, 186.7833

■ 0.0000, 0.0000,
0.3450

147.5841,

■ 0.0000, 0.0000,

152.4930, 230.1120

0.0000

183.0600,
189.3866, 279.6711

■ 16.2074, 16.4182,
34.2131

■ 16.2074, 16.4182,
34.2131

■ 13.7529, 13.5414,
33.7875

■ 19.1163, 19.7239,
34.6982

■ 11.7262, 11.0724,
33.4177

■ 22.5008, 23.4747,
35.2437

■ 10.1006, 8.9909,
33.1017

■ 26.3826, 27.6879,
35.8524

■ 8.8451, 7.2738,
32.8364

■ 30.7817, 32.3795,
36.5261

■ 7.9234, 5.8945,
32.6187

■ 35.7168, 37.5646,
37.2668

■ 7.4001, 5.0628,
32.4858

■ 41.2058, 43.2576,
38.0764

■ 47.2655, 49.4723,
38.9565

■ 53.9123, 56.2219,
39.9090

■ 61.1618, 63.5193,
40.9355

Harmonies

Analogous

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



13.9227, 16.4182, 32.8686



16.2074, 16.4182, 34.2131



18.5499, 16.4182, 30.3777

Triad

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



16.2074, 16.4182, 34.2131



19.5122, 16.4182, 11.0449



11.7582, 16.4182, 13.3264

Complementary

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



16.2074, 16.4182, 34.2131



24.2758, 24.9573, 13.2114

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.



12.9896, 16.4182, 9.3841



16.2074, 16.4182, 34.2131



17.4176, 16.4182, 8.3187

Square

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



16.2074, 16.4182, 34.2131



20.5797, 16.4182, 16.2267



15.0177, 16.4182, 7.7991



11.5045, 16.4182, 19.6348

Rectangle

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



16.2074, 16.4182, 34.2131



19.7774, 16.4182, 25.8587



15.0177, 16.4182, 7.7991



12.0650, 16.4182, 11.7336

Sweetspot

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



16.2080, 16.4188, 34.2135



46.8222, 49.1274, 64.1415



20.5457, 27.9968, 26.7117



9.9719, 10.4531, 14.0624



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.2080, 16.4188, 34.2135



24.9085, 24.5833, 60.5590



15.0037, 12.4596, 33.5128



6.4616, 6.7890, 8.3765



6.0419, 4.1753, 26.3947



0.1454, 0.1494, 0.4844

Inverse Universe

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



20.5420, 15.6734, 17.5659



33.8760, 23.7124, 25.9627



25.9266, 31.0509, 14.3006



6.7224, 6.6819, 7.3890



11.8479, 6.0437, 3.4500



0.2307, 0.1156, 0.1610

Previews

White Background



This preview shows how the XYZ color 16.2074, 16.4182, 34.2131 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 16.2074, 16.4182, 34.2131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

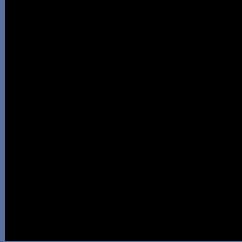
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

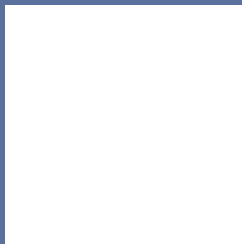
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2074, 16.4182, 34.2131

Background



This preview shows how black text looks on a background with the XYZ color 16.2074, 16.4182, 34.2131.

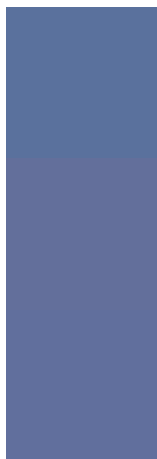


This preview shows how white text looks on a background with the XYZ color 16.2074, 16.4182,

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

16.2074, 16.4182, 34.2131

Protanopia

16.7464, 16.3881, 33.2909

Deuteranopia

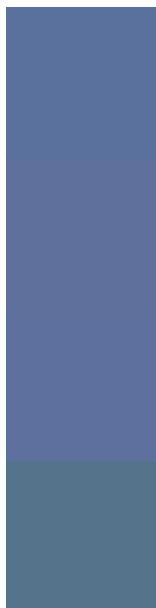
16.7000, 16.3446, 34.1729



Tritanopia

13.8544, 16.3092, 22.8399

Trichromacy



Original Color

16.2074, 16.4182, 34.2131

Protanomaly

16.6188, 16.4754, 33.7567

Deuteranomaly

16.4961, 16.4023, 34.1948

Tritanomaly

14.6519, 16.2862, 26.7974

Monochromacy



Original Color

16.2074, 16.4182, 34.2131

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2840, 16.0304, 22.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2074, 16.4182, 34.2131 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(90, 113, 157) looks like.

```
.text, #text, p{  
    color:rgb(90, 113, 157)  
}
```

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(90, 113, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 113, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.2074, 16.4182, 34.2131 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(90, 113, 157) }
```


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

```
.border{ border-color:rgb(90, 113, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 113, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 113, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 113, 157);  
box-shadow:4px 4px 4px 4px rgb(90, 113,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2074, 16.4182, 34.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 113, 157) }
```

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

```
.background{ background-color: rgb(90, 113,  
157) }
```

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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