

Converting Colors

XYZ(16.6841, 19.1102, 41.3377)

Have a look what the booklet for
XYZ(16.6841, 19.1102, 41.3377)
contains.

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Color

**XYZ(16.6274, 18.9889,
41.3169)**

Conversions

Conversions Part 1

Format	Color
Hex	397FAB
RGB	57, 127, 171
RGB Percent	22%, 50%, 67%
CMY	0.7764, 0.5020, 0.3294
CMYK	0.67, 0.26, 0.00, 0.33
HSL	203°, 50%, 45%
HSV	203°, 67%, 67%
XYZ	16.6274, 18.9889, 41.3169
YIQ	111.0860, -55.8440, -1.1560

Conversions

Conversions Part 2

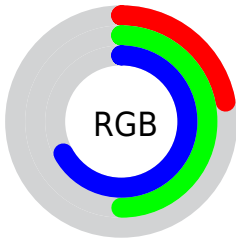
Format	Color
R_{YB}	57, 100, 171
Decimal	3768235
CIE _{Lab}	50.67, -7.75, -29.84
CIE _{LCh}	51, 30.829, 255.442
Yxy	18.9889, 0.2161, 0.2468
Android (android.graphics.Color)	4281958315 (0xFF397FAB)
YUV	111.0860, 29.5376, -47.4334
Hunter-Lab	43.5763, -8.1482, -25.7125




Details

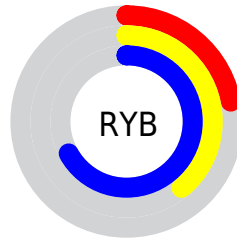
The XYZ color **16.6274, 18.9889, 41.3169** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.1876, 18.2619, 6.2272**, and the grayscale version is **15.0638, 15.8482, 17.2587**.




A 20% lighter version of the original color is **37.3888, 41.9016, 78.7903**, and **6.0542, 6.7807, 18.4425** is the 20% darker color. If you saturate the color by 10%, you get **14.9871, 16.9193, 41.0043**, and if you desaturate by 10%, it is **18.6532, 21.3408, 41.6645**.

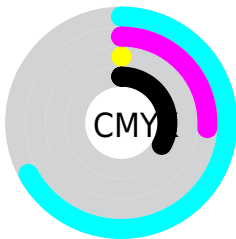
Distribution







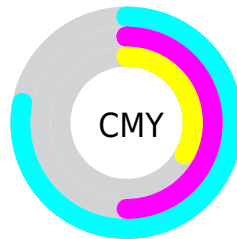
-  Red (22%)
-  Green (50%)
-  Blue (67%)






-  Red (22%)
-  Yellow (39%)
-  Blue (67%)



-  Cyan (67%)
-  Magenta (26%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (78%)
-  Magenta (50%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6274, 18.9889, 41.3169 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 16.6274, 18.9889, 41.3169 by changing the saturation by 10% instead.

■ 16.6274, 18.9889,
41.3169

■ 16.6274, 18.9889,
41.3169

226.2143,
246.3875, 367.3591

■ 10.0628, 11.6623,
28.2452

■ 37.2327, 41.7153,
78.4236

■ 5.5032, 6.5141,
18.2699

■ 52.0042, 57.8839,
103.2957

■ 2.5832, 3.1602,
10.9725

■ 70.2421, 77.7686,
132.9384

■ 0.9374, 1.2159,
5.9344

■ 92.3117, 101.7538,
167.7702

■ 0.0000, 0.0746,
2.7371

■ 118.5783,
130.2239, 208.2096

■ 0.0000, 0.0000,
0.9620

149.4074,

■ 0.0000, 0.0000,

163.5633, 254.6752

0.0000

185.1643,
202.1563, 307.5856

■ 16.6274, 18.9889,
41.3169

■ 16.6274, 18.9889,
41.3169

■ 14.9871, 16.9193,
41.0043

■ 18.6532, 21.3408,
41.6645

■ 13.6946, 15.1101,
40.7232

■ 21.0932, 23.9903,
42.0473

■ 12.7009, 13.5345,
40.4714

■ 23.9755, 26.9537,
42.4674

■ 12.4022, 13.0432,
40.3923

■ 27.3249, 30.2454,
42.9262

■ 31.1645, 33.8786,
43.4251

■ 35.5156, 37.8656,
43.9653

■ 40.3981, 42.2181,
44.5481

■ 45.8309, 46.9473,
45.1746

■ 51.8321, 52.0635,
45.8458

Harmonies

Analogous

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



14.2721, 18.9889, 34.9376



16.6274, 18.9889, 41.3169



19.6395, 18.9889, 41.2117

Triad

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



16.6274, 18.9889, 41.3169



24.2459, 18.9889, 16.5553



14.2180, 18.9889, 11.0627

Complementary

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



16.6274, 18.9889, 41.3169



22.1876, 18.2619, 6.2272

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.



16.5456, 18.9889, 8.4293



16.6274, 18.9889, 41.3169



22.4381, 18.9889, 10.9436

Square

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



16.6274, 18.9889, 41.3169



24.2741, 18.9889, 25.1452



19.5481, 18.9889, 8.3929



12.9901, 18.9889, 16.7699

Rectangle

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



16.6274, 18.9889, 41.3169



21.6303, 18.9889, 37.4046



19.5481, 18.9889, 8.3929



14.8855, 18.9889, 9.8688

Sweetspot

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



16.6281, 18.9896, 41.3174



53.1711, 58.2003, 77.4333



18.5852, 30.9299, 17.2266



11.4392, 12.5831, 17.2136



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.6281, 18.9896, 41.3174



25.6676, 28.7059, 73.1899



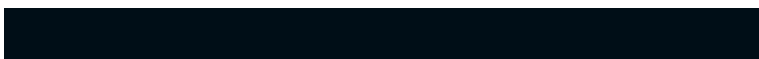
11.2478, 8.2290, 39.5239



7.9728, 8.5450, 10.1818



9.4015, 9.9369, 30.4670



0.3124, 0.3782, 0.8645

Inverse Universe

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



22.0891, 13.1172, 21.4470



36.7713, 19.6464, 32.1417



29.7094, 33.3054, 8.7345



8.2041, 8.0949, 9.3854



14.6091, 7.3062, 10.8528



0.4321, 0.2135, 0.4372

Previews

White Background



This preview shows how the XYZ color 16.6274, 18.9889, 41.3169 looks on a white 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

Black Background



This preview shows how the XYZ color 16.6274, 18.9889, 41.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

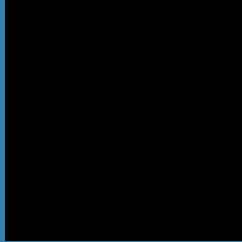
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6274, 18.9889, 41.3169

Background



This preview shows how black text looks on a background with the XYZ color 16.6274, 18.9889, 41.3169.

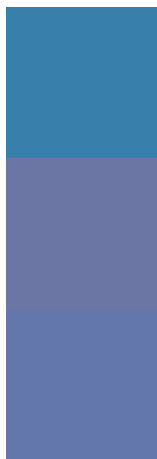


This preview shows how white text looks on a background with the XYZ color 16.6274, 18.9889,

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

16.6274, 18.9889, 41.3169

Protanopia

19.2427, 18.7630, 37.7294

Deuteranopia

19.2852, 18.8634, 42.1597



Tritanopia

14.0843, 18.9368, 28.8995

Trichromacy



Original Color

16.6274, 18.9889, 41.3169

Protanomaly

17.9322, 18.5886, 39.2020

Deuteranomaly

18.0621, 18.7824, 41.7031

Tritanomaly

14.8591, 18.8460, 32.9915

Monochromacy



Original Color

16.6274, 18.9889, 41.3169

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.9093, 16.6402, 24.6164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6274, 18.9889, 41.3169 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(57, 127, 171)` looks like.

```
.text, #text, p{  
    color:rgb(57, 127, 171)  
}
```

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(57, 127, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 127, 171) }
```

Border

The CSS property to change the border of an element to XYZ 16.6274, 18.9889, 41.3169 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(57, 127, 171) }
```


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

```
.border{ border-color:rgb(57, 127, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 127, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 127, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 127, 171);  
box-shadow:4px 4px 4px 4px rgb(57, 127,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6274, 18.9889, 41.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 127, 171) }
```

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

```
.background{ background-color: rgb(57, 127,  
171) }
```

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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