

Converting Colors

XYZ(14.9743, 16.3529, 21.2171)

Have a look what the booklet for
XYZ(14.9743, 16.3529, 21.2171)
contains.

XYZ(14.9614, 16.4009, 21.1160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.9614, 16.4009,
21.1160)**

Conversions

Conversions Part 1

Format	Color
Hex	64737B
RGB	100, 115, 123
RGB Percent	39%, 45%, 48%
CMY	0.6078, 0.5490, 0.5176
CMYK	0.19, 0.07, 0.00, 0.52
HSL	201°, 10%, 44%
HSV	201°, 19%, 48%
XYZ	14.9614, 16.4009, 21.1160
YIQ	111.4270, -11.5080, -0.6920

Conversions

Conversions Part 2

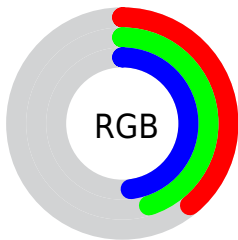
Format	Color
R_{YB}	100, 109, 123
Decimal	6583163
CIE _{Lab}	47.50, -3.72, -6.29
CIE _{LCh}	47, 7.308, 239.393
Yxy	16.4009, 0.2851, 0.3125
Android (android.graphics.Color)	4284773243 (0xFF64737B)
YUV	111.4270, 5.7055, -10.0215
Hunter-Lab	40.4980, -4.9273, -2.5657

Details

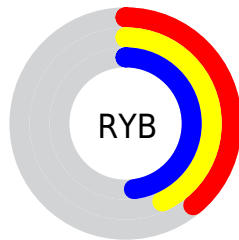
The XYZ color **14.9614, 16.4009, 21.1160** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8312, 15.8560, 14.2829**, and the grayscale version is **15.2203, 16.0129, 17.4381**.

A 20% lighter version of the original color is **34.3191, 37.3119, 45.9505**, and **4.7114, 5.2656, 7.2466** is the 20% darker color. If you saturate the color by 10%, you get **13.2260, 14.7993, 20.8986**, and if you desaturate by 10%, it is **16.9259, 18.1550, 21.3513**.

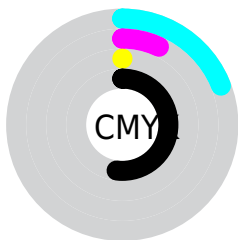
Distribution



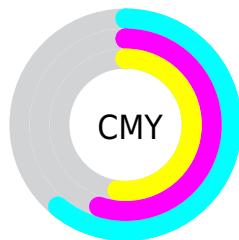
- Red (39%)
- Green (45%)
- Blue (48%)



- Red (39%)
- Yellow (43%)
- Blue (48%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (52%)



- Cyan (61%)
- Magenta (55%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9614, 16.4009, 21.1160 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 14.9614, 16.4009, 21.1160 by changing the saturation by 10% instead.

■ 14.9614, 16.4009,
21.1160

■ 14.9614, 16.4009,
21.1160

216.5255,
231.6959, 270.6956

■ 8.8784, 9.8083,
13.0168

■ 34.3577, 37.2928,
46.1638

■ 4.7185, 5.2720,
7.3092

■ 48.4017, 52.3609,
63.9494

■ 2.1161, 2.4077,
3.5749

■ 65.8301, 71.0229,
85.8010

■ 0.6979, 0.8299,
1.3951

■ 87.0082, 93.6632,
112.1369

■ 0.0000, 0.0000,
0.1379

112.3015,
120.6663, 143.3758

■ 0.0000, 0.0000,
0.0000

142.0752,

152.4165, 179.9362

176.6948,
189.2982, 222.2366

■ 14.9614, 16.4009,
21.1160

■ 14.9614, 16.4009,
21.1160

■ 13.2260, 14.7993,
20.8986

■ 16.9259, 18.1550,
21.3513

■ 11.7087, 13.3429,
20.6974

■ 19.1268, 20.0646,
21.6039

■ 10.3998, 12.0266,
20.5124

■ 21.5731, 22.1353,
21.8746

■ 9.2882, 10.8443,
20.3427

■ 24.2728, 24.3714,
22.1640

■ 8.3618, 9.7892,
20.1879

■ 27.2334, 26.7773,
22.4723

■ 7.6071, 8.8538,
20.0471

■ 30.4622, 29.3573,
22.8001

■ 7.0082, 8.0295,
19.9196

■ 33.9662, 32.1153,
23.1478

■ 6.5217, 7.2934,
19.8032

■ 37.7522, 35.0551,
23.5157

■ 6.4607, 7.2010,
19.7885

■ 41.8266, 38.1806,
23.9042

Harmonies

Analogous

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



14.5257, 16.4009, 19.6711



14.9614, 16.4009, 21.1160



15.5753, 16.4009, 21.6778

Triad

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



14.9614, 16.4009, 21.1160



16.8708, 16.4009, 17.8957



14.9837, 16.4009, 14.9197

Complementary

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



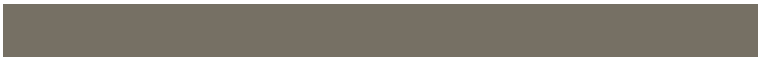
14.9614, 16.4009, 21.1160



15.8312, 15.8560, 14.2829

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.



15.6018, 16.4009, 14.5152



14.9614, 16.4009, 21.1160



16.7020, 16.4009, 16.1595

Square

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



14.9614, 16.4009, 21.1160



16.6882, 16.4009, 19.7412



16.2330, 16.4009, 14.9533



14.5383, 16.4009, 16.0982

Rectangle

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



14.9614, 16.4009, 21.1160



16.0069, 16.4009, 21.4479



16.2330, 16.4009, 14.9533



15.1776, 16.4009, 14.6924

Sweetspot

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



14.9619, 16.4016, 21.1164



31.2742, 33.3562, 38.3467



15.0278, 17.9511, 16.7676



7.3199, 7.8160, 9.0259



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



14.9619, 16.4016, 21.1164



25.5510, 28.2369, 37.6602



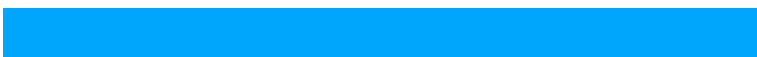
13.7645, 14.0067, 20.7172



3.9953, 4.2889, 5.0604



6.6782, 7.4389, 20.4692



31.0367, 33.8461, 97.3669

Inverse Universe

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



15.8204, 14.5634, 18.1977



27.3739, 24.4354, 31.4403



17.0855, 18.3647, 14.7011



4.0981, 4.0550, 4.7141



9.9542, 4.9578, 8.3156



47.0690, 23.4840, 37.4893

Previews

White Background



This preview shows how the XYZ color 14.9614, 16.4009, 21.1160 looks on a white background.

Color Contrast Check

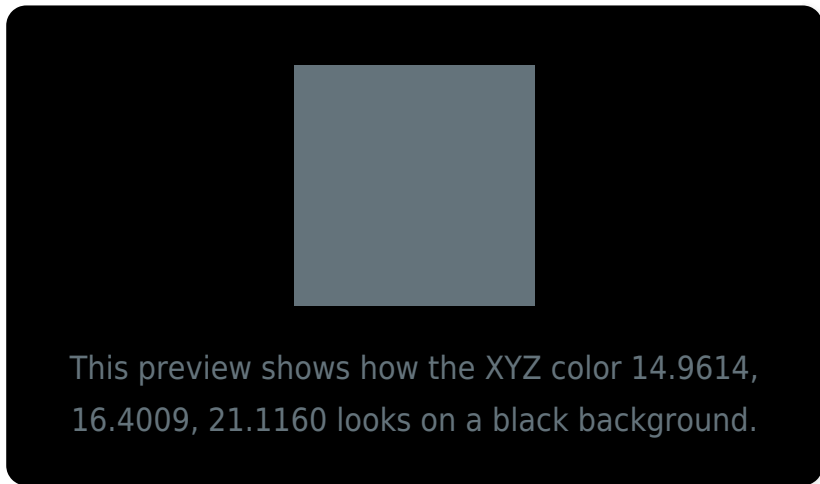
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

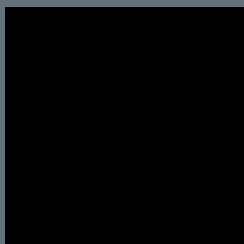
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

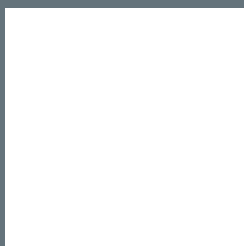
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9614, 16.4009, 21.1160

Background



This preview shows how black text looks on a background with the XYZ color 14.9614, 16.4009, 21.1160.



This preview shows how white text looks on a background with the XYZ color 14.9614, 16.4009,

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

14.9614, 16.4009, 21.1160

Protanopia

15.9275, 16.4136, 20.4178

Deuteranopia

16.5779, 16.2441, 21.3304



Tritanopia

15.0244, 16.4260, 21.4475

Trichromacy



Original Color

14.9614, 16.4009, 21.1160

Protanomaly

15.6023, 16.4035, 20.7562

Deuteranomaly

15.8781, 16.2036, 21.3595

Tritanomaly

15.0244, 16.4260, 21.4475

Monochromacy



Original Color

14.9614, 16.4009, 21.1160

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.9521, 15.9519, 18.5106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9614, 16.4009, 21.1160 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(100, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(100, 115, 123)  
}
```

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(100, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 115, 123) }
```

Border

The CSS property to change the border of an element to XYZ 14.9614, 16.4009, 21.1160 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(100, 115, 123) }
```


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

```
.border{ border-color:rgb(100, 115, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(100, 115,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9614, 16.4009, 21.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 115, 123) }
```

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

```
.background{ background-color: rgb(100,  
115, 123) }
```

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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