

Converting Colors

XYZ(14.8657, 16.3503, 21.2162)

Have a look what the booklet for
XYZ(14.8657, 16.3503, 21.2162)
contains.

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Color

**XYZ(14.8515, 16.3442,
21.1109)**

Conversions

Conversions Part 1

Format	Color
Hex	63737B
RGB	99, 115, 123
RGB Percent	39%, 45%, 48%
CMY	0.6118, 0.5490, 0.5176
CMYK	0.20, 0.07, 0.00, 0.52
HSL	200°, 11%, 44%
HSV	200°, 20%, 48%
XYZ	14.8515, 16.3442, 21.1109
YIQ	111.1280, -12.1040, -0.9040

Conversions

Conversions Part 2

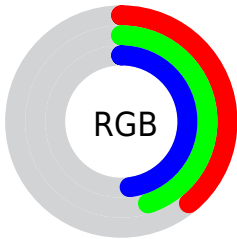
Format	Color
R_{YB}	99, 109, 123
Decimal	6517627
CIE _{Lab}	47.42, -4.07, -6.41
CIE _{LCh}	47, 7.589, 237.589
Yxy	16.3442, 0.2839, 0.3125
Android (android.graphics.Color)	4284707707 (0xFF63737B)
YUV	111.1280, 5.8529, -10.6363
Hunter-Lab	40.4280, -5.1757, -2.6608

Details

The XYZ color **14.8515, 16.3442, 21.1109** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6784, 15.6272, 13.9948**, and the grayscale version is **15.1330, 15.9211, 17.3381**.

A 20% lighter version of the original color is **34.1343, 37.2166, 45.9419**, and **4.6594, 5.2388, 7.2442** is the 20% darker color. If you saturate the color by 10%, you get **13.1518, 14.7898, 20.9007**, and if you desaturate by 10%, it is **16.7777, 18.0471, 21.3383**.

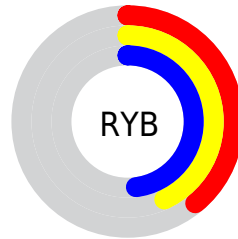
Distribution



Red (39%)

Green (45%)

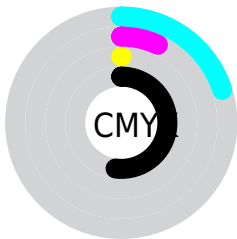
Blue (48%)



Red (39%)

Yellow (43%)

Blue (48%)

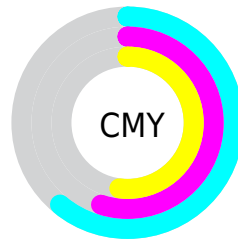


Cyan (20%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (61%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8515, 16.3442, 21.1109 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 14.8515, 16.3442, 21.1109 by changing the saturation by 10% instead.

■ 14.8515, 16.3442,
21.1109

■ 14.8515, 16.3442,
21.1109

215.8719,
231.3643, 270.6677

■ 8.8009, 9.7680,
13.0131

■ 34.1663, 37.1947,
46.1552

■ 4.6676, 5.2454,
7.3067

■ 48.1611, 52.2379,
63.9388

■ 2.0863, 2.3920,
3.5733

■ 65.5347, 70.8722,
85.7880

■ 0.6818, 0.8218,
1.3943

■ 86.6524, 93.4820,
112.1214

■ 0.0000, 0.0000,
0.1373

111.8797,
120.4517, 143.3575

■ 0.0000, 0.0000,
0.0000

141.5818,

152.1657, 179.9149

176.1240,
189.0085, 222.2121

■ 14.8515, 16.3442,
21.1109

■ 14.8515, 16.3442,
21.1109

■ 13.1518, 14.7898,
20.9007

■ 16.7777, 18.0471,
21.3383

■ 11.6675, 13.3765,
20.7062

■ 18.9379, 19.9014,
21.5824

■ 10.3891, 12.0994,
20.5270

■ 21.3408, 21.9125,
21.8439

■ 9.3054, 10.9523,
20.3627

■ 23.9946, 24.0850,
22.1234

■ 8.4041, 9.9285,
20.2126

■ 26.9067, 26.4230,
22.4212

■ 7.6717, 9.0205,
20.0760

■ 30.0845, 28.9307,
22.7377

■ 7.0921, 8.2197,
19.9519

■ 33.5349, 31.6120,
23.0734

■ 6.6158, 7.5001,
19.8381

■ 37.2646, 34.4708,
23.4286

■ 6.5931, 7.4659,
19.8327

■ 41.2802, 37.5107,
23.8038

Harmonies

Analogous

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



14.4160, 16.3442, 19.5677



14.8515, 16.3442, 21.1109



15.4803, 16.3442, 21.7606

Triad

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



14.8515, 16.3442, 21.1109



16.8635, 16.3442, 17.9524



14.9432, 16.3442, 14.7100

Complementary

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



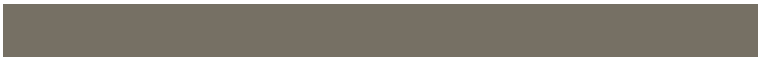
14.8515, 16.3442, 21.1109



15.6784, 15.6272, 13.9948

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.



15.5892, 16.3442, 14.3449



14.8515, 16.3442, 21.1109



16.7098, 16.3442, 16.1347

Square

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



14.8515, 16.3442, 21.1109



16.6527, 16.3442, 19.8568



16.2385, 16.3442, 14.8477



14.4679, 16.3442, 15.8831

Rectangle

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



14.8515, 16.3442, 21.1109



15.9289, 16.3442, 21.5668



16.2385, 16.3442, 14.8477



15.1470, 16.3442, 14.4926

Sweetspot

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



14.8520, 16.3449, 21.1113



31.2979, 33.4035, 38.3546



14.8617, 17.8720, 16.4665



7.3259, 7.8280, 9.0279



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.



14.8520, 16.3449, 21.1113



25.3138, 28.1090, 37.6480



13.6112, 13.8633, 20.6977



3.9999, 4.2980, 5.0620



6.8153, 7.7131, 20.5149



31.7031, 35.1789, 97.5891

Inverse Universe

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



15.7251, 14.3728, 18.1659



27.1696, 24.0299, 31.3628



16.9701, 18.2108, 14.4254



4.1004, 4.0559, 4.7263



10.0234, 4.9855, 8.6801



47.4054, 23.6185, 39.2606

Previews

White Background



This preview shows how the XYZ color 14.8515, 16.3442, 21.1109 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 14.8515, 16.3442, 21.1109 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

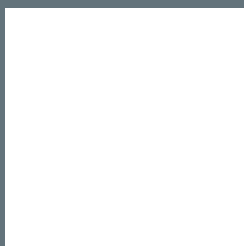
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8515, 16.3442, 21.1109

Background



This preview shows how black text looks on a background with the XYZ color 14.8515, 16.3442, 21.1109.



This preview shows how white text looks on a background with the XYZ color 14.8515, 16.3442,

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

14.8515, 16.3442, 21.1109

Protanopia

15.9275, 16.4136, 20.4178

Deuteranopia

16.5779, 16.2441, 21.3304



Tritanopia

14.9144, 16.3694, 21.4423

Trichromacy



Original Color

14.8515, 16.3442, 21.1109

Protanomaly

15.4814, 16.3412, 20.7506

Deuteranomaly

15.8781, 16.2036, 21.3595

Tritanomaly

14.9144, 16.3694, 21.4423

Monochromacy



Original Color

14.8515, 16.3442, 21.1109

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 14.8515, 16.3442, 21.1109 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(99, 115, 123) looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 115, 123) }
```

Border

The CSS property to change the border of an element to XYZ 14.8515, 16.3442, 21.1109 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(99, 115, 123) }
```


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

```
.border{ border-color:rgb(99, 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(99, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(99, 115,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8515, 16.3442, 21.1109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 115, 123) }
```

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

```
.background{ background-color: rgb(99, 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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