

Converting Colors

XYZ(15.7910, 16.7152, 24.4214)

Have a look what the booklet for
XYZ(15.7910, 16.7152, 24.4214)
contains.

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Color

**XYZ(15.8439, 16.7797,
24.5940)**

Conversions

Conversions Part 1

Format	Color
Hex	667385
RGB	102, 115, 133
RGB Percent	40%, 45%, 52%
CMY	0.6000, 0.5490, 0.4784
CMYK	0.23, 0.14, 0.00, 0.48
HSL	215°, 13%, 46%
HSV	215°, 23%, 52%
XYZ	15.8439, 16.7797, 24.5940
YIQ	113.1650, -13.5260, 2.8420

Conversions

Conversions Part 2

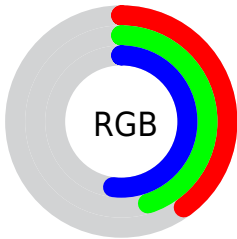
Format	Color
R_{YB}	102, 111, 133
Decimal	6714245
CIE _{Lab}	47.98, -0.60, -11.49
CIE _{LCh}	48, 11.505, 266.987
Yxy	16.7797, 0.2769, 0.2933
Android (android.graphics.Color)	4284904325 (0xFF667385)
YUV	113.1650, 9.7787, -9.7917
Hunter-Lab	40.9630, -2.6441, -6.9233

Details

The XYZ color **15.8439, 16.7797, 24.5940** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7879, 19.3790, 15.3212**, and the grayscale version is **15.7202, 16.5388, 18.0108**.

A 20% lighter version of the original color is **35.8185, 37.9549, 51.8926**, and **5.0898, 5.4231, 8.9621** is the 20% darker color. If you saturate the color by 10%, you get **13.6119, 14.3765, 24.2481**, and if you desaturate by 10%, it is **18.3926, 19.4565, 24.9766**.

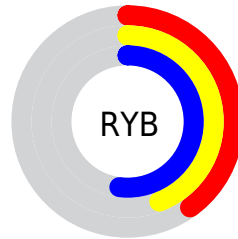
Distribution



Red (40%)

Green (45%)

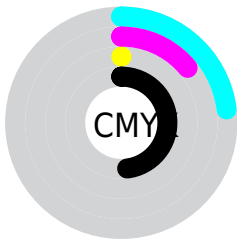
Blue (52%)



Red (40%)

Yellow (44%)

Blue (52%)

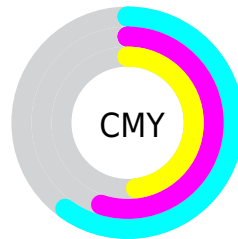


Cyan (23%)

Magenta (14%)

Yellow (0%)

Black (48%)



Cyan (60%)

Magenta (55%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8439, 16.7797, 24.5940 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 15.8439, 16.7797, 24.5940 by changing the saturation by 10% instead.

■ 15.8439, 16.7797,
24.5940

■ 15.8439, 16.7797,
24.5940

221.7074,
233.8996, 289.1926

■ 9.5039, 10.0775,
15.5586

■ 35.8866, 37.9466,
51.9537

■ 5.1310, 5.4504,
9.0614

■ 50.3201, 53.1802,
71.1151

■ 2.3599, 2.5139,
4.6839

■ 68.1821, 72.0263,
94.4889

■ 0.8250, 0.8836,
2.0075

■ 89.8379, 94.8694,
122.4936

■ 0.0000, 0.0000,
0.5599

115.6530,
122.0939, 155.5478

■ 0.0000, 0.0000,
0.0000

145.9928,

154.0842, 194.0700

181.2224,
191.2246, 238.4788

■ 15.8439, 16.7797,
24.5940

■ 15.8439, 16.7797,
24.5940

■ 13.6119, 14.3765,
24.2481

■ 18.3926, 19.4565,
24.9766

■ 11.6818, 12.2353,
23.9365

■ 21.2688, 22.4139,
25.3959

■ 10.0396, 10.3467,
23.6585

■ 24.4850, 25.6611,
25.8531

■ 8.6699, 8.6998,
23.4128

■ 28.0523, 29.2064,
26.3494

■ 7.5554, 7.2826,
23.1980

■ 31.9813, 33.0574,
26.8857

■ 6.6768, 6.0820,
23.0126

■ 36.2821, 37.2218,
27.4628

■ 6.0110, 5.0827,
22.8548

■ 40.9647, 41.7068,
28.0817

■ 5.6371, 4.5004,
22.7621

■ 46.0383, 46.5194,
28.7432

■ 51.5120, 51.6664,
29.4482

Harmonies

Analogous

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



14.8856, 16.7797, 23.4952



15.8439, 16.7797, 24.5940



16.8716, 16.7797, 23.8524

Triad

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



15.8439, 16.7797, 24.5940



17.7942, 16.7797, 15.7970



14.3327, 16.7797, 15.3293

Complementary

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



15.8439, 16.7797, 24.5940



18.7879, 19.3790, 15.3212

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.



15.0599, 16.7797, 13.6350



15.8439, 16.7797, 24.5940



17.0610, 16.7797, 13.8837

Square

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



15.8439, 16.7797, 24.5940



18.0261, 16.7797, 18.5724



16.0538, 16.7797, 13.1356



14.0372, 16.7797, 17.9714

Rectangle

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



15.8439, 16.7797, 24.5940



17.4531, 16.7797, 22.4539



16.0538, 16.7797, 13.1356



14.5332, 16.7797, 14.6415

Sweetspot

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



15.8444, 16.7804, 24.5944



36.0328, 38.0377, 45.1813



17.2313, 20.9457, 20.7669



8.0647, 8.5150, 10.1712



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.8444, 16.7804, 24.5944



26.1744, 27.6962, 43.7048



14.7022, 14.1438, 24.1457



4.5831, 4.8418, 5.8938



5.3771, 4.3020, 21.6837



0.0256, 0.0288, 0.0774

Inverse Universe

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



17.5192, 15.7276, 18.3327



29.7636, 25.6095, 30.2474



20.1359, 22.5546, 15.8631



4.7476, 4.7187, 5.2831



9.8922, 5.0212, 4.0048



0.0378, 0.0188, 0.0323

Previews

White Background



This preview shows how the XYZ color 15.8439, 16.7797, 24.5940 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 15.8439, 16.7797, 24.5940 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

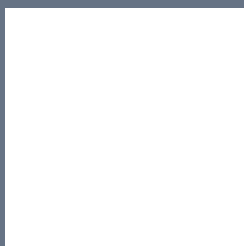
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8439, 16.7797, 24.5940

Background



This preview shows how black text looks on a background with the XYZ color 15.8439, 16.7797, 24.5940.

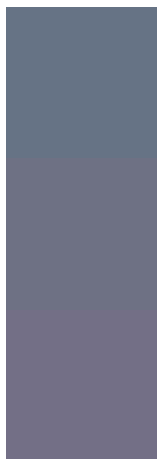


This preview shows how white text looks on a background with the XYZ color 15.8439, 16.7797,

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

15.8439, 16.7797, 24.5940

Protanopia

16.5004, 16.7912, 24.2012

Deuteranopia

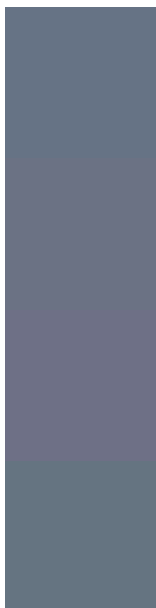
17.0577, 16.7349, 24.8854



Tritanopia

15.3781, 16.7638, 22.1639

Trichromacy



Original Color

15.8439, 16.7797, 24.5940

Protanomaly

16.2456, 16.8264, 24.2214

Deuteranomaly

16.5277, 16.6246, 24.8920

Tritanomaly

15.5747, 16.8425, 23.1989

Monochromacy



Original Color

15.8439, 16.7797, 24.5940

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7142, 16.6419, 20.1533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8439, 16.7797, 24.5940 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(102, 115, 133)` looks like.

```
.text, #text, p{  
    color:rgb(102, 115, 133)  
}
```

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(102, 115, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 115, 133) }
```

Border

The CSS property to change the border of an element to XYZ 15.8439, 16.7797, 24.5940 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(102, 115, 133) }
```


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

```
.border{ border-color:rgb(102, 115, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 115, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 115, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 115, 133);  
box-shadow:4px 4px 4px 4px rgb(102, 115,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8439, 16.7797, 24.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 115, 133) }
```

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

```
.background{ background-color: rgb(102,  
115, 133) }
```

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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