

Converting Colors

XYZ(15.4769, 16.7945, 23.0238)

Have a look what the booklet for
XYZ(15.4769, 16.7945, 23.0238)
contains.

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Color

**XYZ(15.4634, 16.7851,
23.1937)**

Conversions

Conversions Part 1

Format	Color
Hex	647481
RGB	100, 116, 129
RGB Percent	39%, 45%, 51%
CMY	0.6078, 0.5451, 0.4941
CMYK	0.22, 0.10, 0.00, 0.49
HSL	207°, 13%, 45%
HSV	207°, 22%, 51%
XYZ	15.4634, 16.7851, 23.1937
YIQ	112.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

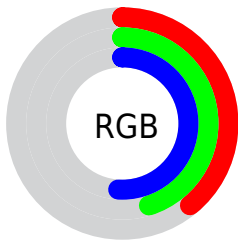
Format	Color
R_{YB}	100, 110, 129
Decimal	6583425
CIE Lab	47.99, -2.86, -9.12
CIE LCh	48, 9.557, 252.617
Yxy	16.7851, 0.2789, 0.3027
Android (android.graphics.Color)	4284773505 (0xFF647481)
YUV	112.6980, 8.0369, -11.1361
Hunter-Lab	40.9696, -4.3246, -4.8865

Details

The XYZ color **15.4634, 16.7851, 23.1937** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2588, 17.3976, 14.5055**, and the grayscale version is **15.5869, 16.3987, 17.8581**.

A 20% lighter version of the original color is **35.2086, 37.9620, 49.7277**, and **4.9833, 5.4703, 8.3826** is the 20% darker color. If you saturate the color by 10%, you get **13.5022, 14.8156, 22.9172**, and if you desaturate by 10%, it is **17.6931, 18.9555, 23.4954**.

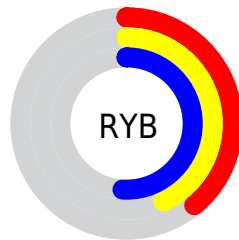
Distribution



Red (39%)

Green (45%)

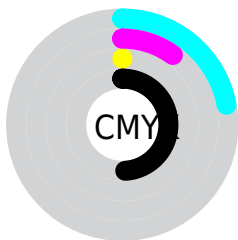
Blue (51%)



Red (39%)

Yellow (43%)

Blue (51%)

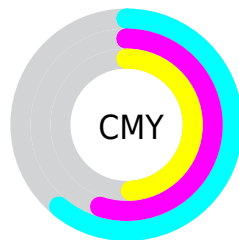


Cyan (22%)

Magenta (10%)

Yellow (0%)

Black (49%)



Cyan (61%)

Magenta (55%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4634, 16.7851, 23.1937 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 15.4634, 16.7851, 23.1937 by changing the saturation by 10% instead.

■ 15.4634, 16.7851,
23.1937

■ 15.4634, 16.7851,
23.1937

219.4874,
233.9309, 281.8724

■ 9.2337, 10.0814,
14.5300

■ 35.2291, 37.9559,
49.6384

■ 4.9522, 5.4530,
8.3472

■ 49.4958, 53.1918,
68.2565

■ 2.2537, 2.5154,
4.2270

■ 67.1722, 72.0406,
91.0297

■ 0.7708, 0.8843,
1.7507

■ 88.6237, 94.8866,
118.3766

■ 0.0000, 0.0000,
0.3951

114.2156,
122.1142, 150.7158

■ 0.0000, 0.0000,
0.0000

144.3133,

154.1079, 188.4658

179.2821,
191.2520, 232.0452

■ 15.4634, 16.7851,
23.1937

■ 15.4634, 16.7851,
23.1937

■ 13.5022, 14.8156,
22.9172

■ 17.6931, 18.9555,
23.4954

■ 11.7966, 13.0379,
22.6640

■ 20.2003, 21.3312,
23.8218

■ 10.3349, 11.4453,
22.4336

■ 22.9957, 23.9192,
24.1740

■ 9.1037, 10.0297,
22.2252

■ 26.0887, 26.7254,
24.5526

■ 8.0884, 8.7823,
22.0380

■ 29.4884, 29.7555,
24.9583

■ 7.2722, 7.6934,
21.8708

■ 33.2035, 33.0149,
25.3916

■ 6.6359, 6.7515,
21.7226

■ 37.2422, 36.5088,
25.8532

■ 6.2271, 6.1142,
21.6211

■ 41.6125, 40.2424,
26.3435

■ 46.3222, 44.2205,
26.8631

Harmonies

Analogous

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



14.7642, 16.7851, 21.6843



15.4634, 16.7851, 23.1937



16.3187, 16.7851, 23.3137

Triad

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



15.4634, 16.7851, 23.1937



17.6274, 16.7851, 17.2582



14.8570, 16.7851, 14.9991

Complementary

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



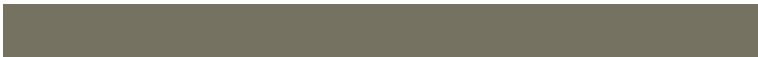
15.4634, 16.7851, 23.1937



17.2588, 17.3976, 14.5055

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.



15.5942, 16.7851, 14.0221



15.4634, 16.7851, 23.1937



17.2055, 16.7851, 15.2452

Square

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



15.4634, 16.7851, 23.1937



17.5893, 16.7851, 19.7321



16.4543, 16.7851, 14.1079



14.4229, 16.7851, 16.8936

Rectangle

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



15.4634, 16.7851, 23.1937



16.8644, 16.7851, 22.5755



16.4543, 16.7851, 14.1079



15.0764, 16.7851, 14.5605

Sweetspot

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



15.4639, 16.7858, 23.1941



34.0075, 36.1594, 42.3796



16.0625, 19.5927, 18.4308



7.6528, 8.1422, 9.5866



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.4639, 16.7858, 23.1941



25.8233, 28.1973, 41.2741



13.9632, 13.7844, 22.6939



4.2901, 4.5743, 5.4701



6.0756, 5.9697, 21.0820



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7632, 15.0429, 18.5438



28.6178, 24.6247, 31.2334



18.9518, 20.7835, 15.0698



4.4193, 4.3809, 5.0124



9.9436, 4.9971, 6.2930



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.4634, 16.7851, 23.1937 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 15.4634, 16.7851, 23.1937 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

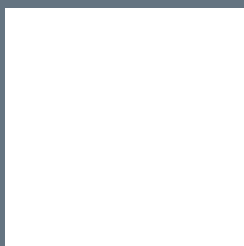
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4634, 16.7851, 23.1937

Background



This preview shows how black text looks on a background with the XYZ color 15.4634, 16.7851, 23.1937.



This preview shows how white text looks on a background with the XYZ color 15.4634, 16.7851,

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

15.4634, 16.7851, 23.1937

Protanopia

16.4180, 16.7873, 22.4536

Deuteranopia

17.0498, 16.7625, 23.4560



Tritanopia

15.2728, 16.8816, 22.1922

Trichromacy



Original Color

15.4634, 16.7851, 23.1937

Protanomaly

16.0979, 16.7813, 22.8127

Deuteranomaly

16.4899, 16.8015, 23.4930

Tritanomaly

15.3376, 16.9075, 22.5338

Monochromacy



Original Color

15.4634, 16.7851, 23.1937

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5314, 16.5547, 19.8295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4634, 16.7851, 23.1937 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, 116, 129)` looks like.

```
.text, #text, p{  
    color:rgb(100, 116, 129)  
}
```

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, 116, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 116, 129) }
```

Border

The CSS property to change the border of an element to XYZ 15.4634, 16.7851, 23.1937 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, 116, 129) }
```


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

```
.border{ border-color:rgb(100, 116, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 116, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 116, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 116, 129);  
box-shadow:4px 4px 4px 4px rgb(100, 116,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4634, 16.7851, 23.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 116, 129) }
```

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

```
.background{ background-color: rgb(100,  
116, 129) }
```

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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