

Converting Colors

XYZ(15.4844, 16.1106, 23.7663)

Have a look what the booklet for
XYZ(15.4844, 16.1106, 23.7663)
contains.

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Color

**XYZ(15.4844, 16.1106,
23.7663)**

Conversions

Conversions Part 1

Format	Color
Hex	677083
RGB	103, 112, 131
RGB Percent	40%, 44%, 51%
CMY	0.5961, 0.5608, 0.4863
CMYK	0.21, 0.15, 0.00, 0.49
HSL	221°, 12%, 46%
HSV	221°, 21%, 51%
XYZ	15.4844, 16.1106, 23.7663
YIQ	111.4750, -11.4630, 4.0010

Conversions

Conversions Part 2

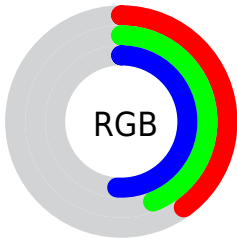
Format	Color
R_{YB}	103, 110, 131
Decimal	6779011
CIE _{Lab}	47.12, 1.01, -11.59
CIE _{LCh}	47, 11.637, 274.996
Yxy	16.1106, 0.2797, 0.2910
Android (android.graphics.Color)	4284969091 (0xFF677083)
YUV	111.4750, 9.6258, -7.4326
Hunter-Lab	40.1380, -1.3800, -7.0099

Details

The XYZ color **15.4844, 16.1106, 23.7663** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7679, 19.7236, 15.6501**, and the grayscale version is **15.2232, 16.0159, 17.4414**.

A 20% lighter version of the original color is **35.2536, 36.8816, 50.6082**, and **4.9319, 5.0882, 8.7048** is the 20% darker color. If you saturate the color by 10%, you get **13.1652, 13.5306, 23.3908**, and if you desaturate by 10%, it is **18.1369, 19.0070, 24.1858**.

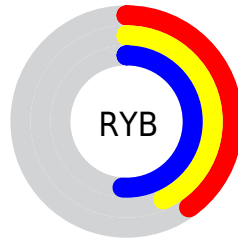
Distribution



Red (40%)

Green (44%)

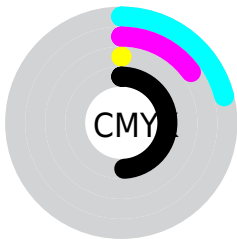
Blue (51%)



Red (40%)

Yellow (43%)

Blue (51%)

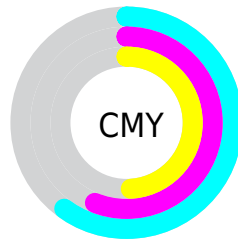


Cyan (21%)

Magenta (15%)

Yellow (0%)

Black (49%)



Cyan (60%)

Magenta (56%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4844, 16.1106, 23.7663 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 15.4844, 16.1106, 23.7663 by changing the saturation by 10% instead.

■ 15.4844, 16.1106,
23.7663

■ 15.4844, 16.1106,
23.7663

219.6104,
229.9935, 284.8852

■ 9.2486, 9.6025,
14.9498

■ 35.2655, 36.7901,
50.5876

■ 4.9621, 5.1362,
8.6379

■ 49.5414, 51.7302,
69.4295

■ 2.2596, 2.3274,
4.4122

■ 67.2281, 70.2498,
92.4501

■ 0.7738, 0.7881,
1.8541

■ 88.6910, 92.7333,
120.0682

■ 0.0000, 0.0000,
0.4633

114.2952,
119.5650, 152.7022

■ 0.0000, 0.0000,
0.0000

144.4064,

151.1293, 190.7707

179.3896,
187.8107, 234.6922

■ 15.4844, 16.1106,
23.7663

■ 15.4844, 16.1106,
23.7663

■ 13.1652, 13.5306,
23.3908

■ 18.1369, 19.0070,
24.1858

■ 11.1641, 11.2538,
23.0568

■ 21.1340, 22.2284,
24.6496

■ 9.4668, 9.2688,
22.7631

■ 24.4886, 25.7856,
25.1594

■ 8.0574, 7.5630,
22.5082

■ 28.2121, 29.6882,
25.7165

■ 6.9184, 6.1225,
22.2901

■ 32.3156, 33.9455,
26.3219

■ 6.0302, 4.9320,
22.1072

■ 36.8098, 38.5664,
26.9770

■ 5.3701, 3.9746,
21.9572

■ 41.7046, 43.5595,
27.6828

■ 4.9288, 3.3028,
21.8507

■ 47.0100, 48.9329,
28.4403

■ 52.7354, 54.6949,
29.2507

Harmonies

Analogous

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



14.4970, 16.1106, 23.1521



15.4844, 16.1106, 23.7663



16.4675, 16.1106, 22.5674

Triad

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



15.4844, 16.1106, 23.7663



16.9794, 16.1106, 14.5081



13.6000, 16.1106, 15.2689

Complementary

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



15.4844, 16.1106, 23.7663



18.7679, 19.7236, 15.6501

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.



14.2131, 16.1106, 13.3237



15.4844, 16.1106, 23.7663



16.1583, 16.1106, 12.9199

Square

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



15.4844, 16.1106, 23.7663



17.3548, 16.1106, 17.0562



15.1422, 16.1106, 12.5116



13.4374, 16.1106, 18.0364

Rectangle

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



15.4844, 16.1106, 23.7663



16.9792, 16.1106, 20.9719



15.1422, 16.1106, 12.5116



13.7588, 16.1106, 14.5075

Sweetspot

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



15.4849, 16.1113, 23.7667



35.2102, 36.9832, 43.7359



17.2023, 20.5134, 21.3574



8.1312, 8.5390, 10.1723



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.



15.4849, 16.1113, 23.7667



25.4861, 26.3671, 42.1993



15.0912, 14.5068, 23.4777



4.5477, 4.7710, 5.8820



4.8538, 3.2554, 21.5092



0.0229, 0.0234, 0.0765

Inverse Universe

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



17.1353, 15.6960, 17.4565



29.0639, 25.5872, 28.4931



19.2182, 21.6732, 16.0027



4.7297, 4.7116, 5.1891



9.6281, 4.9156, 2.6139



0.0364, 0.0183, 0.0251

Previews

White Background



This preview shows how the XYZ color 15.4844, 16.1106, 23.7663 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 15.4844, 16.1106, 23.7663 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

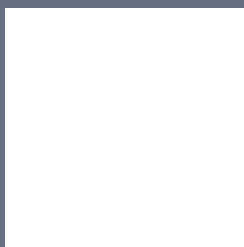
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4844, 16.1106, 23.7663

Background



This preview shows how black text looks on a background with the XYZ color 15.4844, 16.1106, 23.7663.



This preview shows how white text looks on a background with the XYZ color 15.4844, 16.1106,

23.7663.

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

15.4844, 16.1106, 23.7663

Protanopia

15.8980, 16.1687, 23.4021

Deuteranopia

16.4435, 16.1139, 24.0734



Tritanopia

14.7848, 15.9821, 20.7180

Trichromacy



Original Color

15.4844, 16.1106, 23.7663

Protanomaly

15.6576, 16.0448, 23.3908

Deuteranomaly

16.0475, 16.0690, 24.0856

Tritanomaly

15.0863, 16.1157, 21.7175

Monochromacy



Original Color

15.4844, 16.1106, 23.7663

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.1388, 15.8650, 19.4039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4844, 16.1106, 23.7663 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(103, 112, 131)` looks like.

```
.text, #text, p{  
    color:rgb(103, 112, 131)  
}
```

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(103, 112, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 112, 131) }
```

Border

The CSS property to change the border of an element to XYZ 15.4844, 16.1106, 23.7663 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(103, 112, 131) }
```


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

```
.border{ border-color:rgb(103, 112, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 112, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 112, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 112, 131);  
box-shadow:4px 4px 4px 4px rgb(103, 112,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4844, 16.1106, 23.7663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 112, 131) }
```

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

```
.background{ background-color: rgb(103,  
112, 131) }
```

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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