

Converting Colors

XYZ(16.7966, 19.0613, 23.0439)

Have a look what the booklet for
XYZ(16.7966, 19.0613, 23.0439)
contains.

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Color

**XYZ(16.8234, 19.1093,
23.2239)**

Conversions

Conversions Part 1

Format	Color
Hex	677D80
RGB	103, 125, 128
RGB Percent	40%, 49%, 50%
CMY	0.5961, 0.5098, 0.4980
CMYK	0.20, 0.02, 0.00, 0.50
HSL	187°, 11%, 45%
HSV	187°, 20%, 50%
XYZ	16.8234, 19.1093, 23.2239
YIQ	118.7640, -14.0750, -3.7310

Conversions

Conversions Part 2

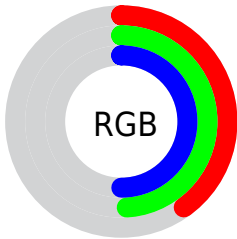
Format	Color
R_{YB}	103, 115, 128
Decimal	6782336
CIE _{Lab}	50.81, -7.26, -4.30
CIE _{LCh}	51, 8.438, 210.626
Yxy	19.1093, 0.2844, 0.3230
Android (android.graphics.Color)	4284972416 (0xFF677D80)
YUV	118.7640, 4.5533, -13.8250
Hunter-Lab	43.7142, -7.8041, -0.8989

Details

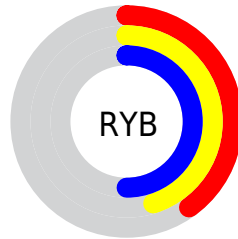
The XYZ color **16.8234, 19.1093, 23.2239** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5045, 15.8765, 15.0269**, and the grayscale version is **17.4497, 18.3584, 19.9923**.

A 20% lighter version of the original color is **37.5873, 42.0470, 49.8509**, and **5.5713, 6.5456, 8.3669** is the 20% darker color. If you saturate the color by 10%, you get **15.2735, 18.0245, 23.0965**, and if you desaturate by 10%, it is **18.6022, 20.3176, 23.3637**.

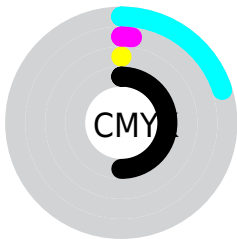
Distribution



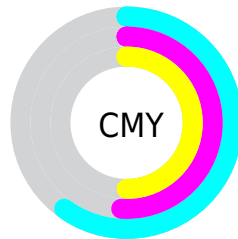
- Red (40%)
- Green (49%)
- Blue (50%)



- Red (40%)
- Yellow (45%)
- Blue (50%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (60%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8234, 19.1093, 23.2239 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 16.8234, 19.1093, 23.2239 by changing the saturation by 10% instead.

■ 16.8234, 19.1093,
23.2239

■ 16.8234, 19.1093,
23.2239

227.3288,
247.0515, 282.0320

■ 10.2032, 11.7493,
14.5521

■ 37.5679, 41.9187,
49.6886

■ 5.5972, 6.5732,
8.3625

■ 52.4229, 58.1369,
68.3185

■ 2.6400, 3.1966,
4.2367

■ 70.7535, 78.0766,
91.1048

■ 0.9664, 1.2352,
1.7561

■ 92.9252, 102.1222,
118.4661

■ 0.0000, 0.0902,
0.3987

119.3032,
130.6581, 150.8210

■ 0.0000, 0.0000,
0.0000

150.2528,

164.0687, 188.5879

186.1396,
202.7383, 232.1854

■ 16.8234, 19.1093,
23.2239

■ 16.8234, 19.1093,
23.2239

■ 15.2735, 18.0245,
23.0965

■ 18.6022, 20.3176,
23.3637

■ 13.9406, 17.0555,
22.9797

■ 20.6179, 21.6519,
23.5150

■ 12.8143, 16.1975,
22.8735

■ 22.8799, 23.1178,
23.6787

■ 11.8827, 15.4441,
22.7772

■ 25.3968, 24.7195,
23.8552

■ 11.1325, 14.7888,
22.6902

■ 28.1766, 26.4614,
24.0449

■ 10.5489, 14.2236,
22.6119

■ 31.2273, 28.3474,
24.2482

■ 10.1146, 13.7397,
22.5414

■ 34.5561, 30.3814,
24.4653

■ 9.7779, 13.3106,
22.4763

■ 38.1703, 32.5671,
24.6967

■ 9.7624, 13.2907,
22.4733

■ 42.0767, 34.9081,
24.9427

Harmonies

Analogous

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



16.6128, 19.1093, 20.8567



16.8234, 19.1093, 23.2239



17.3909, 19.1093, 25.0508

Triad

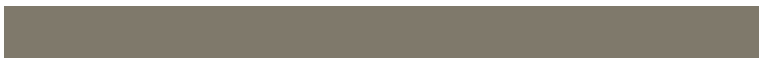
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.8234, 19.1093, 23.2239



19.5898, 19.1093, 23.1310



18.1454, 19.1093, 16.5616

Complementary

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



16.8234, 19.1093, 23.2239



16.5045, 15.8765, 15.0269

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.



18.9572, 19.1093, 17.0714



16.8234, 19.1093, 23.2239



19.8064, 19.1093, 20.7569

Square

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



16.8234, 19.1093, 23.2239



18.9883, 19.1093, 24.9943



19.5715, 19.1093, 18.5635



17.3616, 19.1093, 17.1152

Rectangle

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



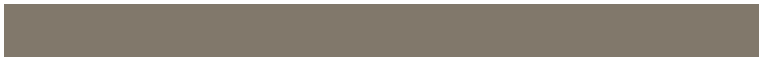
16.8234, 19.1093, 23.2239



17.9040, 19.1093, 25.6517



19.5715, 19.1093, 18.5635



18.4241, 19.1093, 16.6139

Sweetspot

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



16.8240, 19.1101, 23.2243



33.9080, 36.5433, 41.2227



15.9102, 19.3611, 16.5118



7.8966, 8.5277, 9.6482



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.



16.8240, 19.1101, 23.2243



28.4821, 32.8563, 40.7970



15.3489, 16.1599, 22.7326



4.4038, 4.8016, 5.5080



9.6806, 13.1797, 22.2837



0.0000, 0.0000, 0.0000

Inverse Universe

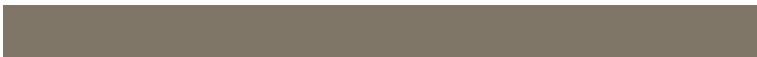
The Inverse Universe completely reimagines the original color for something new.



17.4544, 15.7707, 21.5270



29.7929, 26.0008, 37.2489



17.8782, 18.6241, 15.4848



4.4767, 4.4038, 5.3146



11.7633, 5.7250, 15.8752



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8234, 19.1093, 23.2239 looks on a white 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

Black Background



This preview shows how the XYZ color 16.8234, 19.1093, 23.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

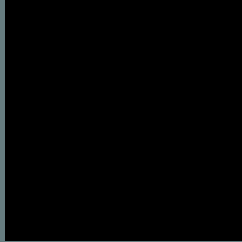
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

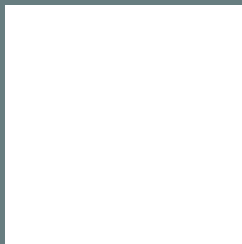
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8234, 19.1093, 23.2239

Background



This preview shows how black text looks on a background with the XYZ color 16.8234, 19.1093, 23.2239.



This preview shows how white text looks on a background with the XYZ color 16.8234, 19.1093,

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

16.8234, 19.1093, 23.2239

Protanopia

18.4442, 19.0512, 22.1072

Deuteranopia

19.2926, 18.9235, 23.7549



Tritanopia

17.2196, 19.0796, 25.3294

Trichromacy



Original Color

16.8234, 19.1093, 23.2239

Protanomaly

17.7957, 19.0703, 22.4817

Deuteranomaly

18.2867, 18.9399, 23.4608

Tritanomaly

17.0814, 19.0243, 24.6016

Monochromacy



Original Color

16.8234, 19.1093, 23.2239

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1603, 18.5906, 21.0963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8234, 19.1093, 23.2239 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, 125, 128)` looks like.

```
.text, #text, p{  
    color:rgb(103, 125, 128)  
}
```

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, 125, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 125, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.8234, 19.1093, 23.2239 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, 125, 128) }
```


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

```
.border{ border-color:rgb(103, 125, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 125, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 125, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 125, 128);  
box-shadow:4px 4px 4px 4px rgb(103, 125,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8234, 19.1093, 23.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 125, 128) }
```

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

```
.background{ background-color: rgb(103,  
125, 128) }
```

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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