

Converting Colors

XYZ(16.0083, 18.5327, 22.9834)

Have a look what the booklet for
XYZ(16.0083, 18.5327, 22.9834)
contains.

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Color

**XYZ(16.0337, 18.5152,
23.1508)**

Conversions

Conversions Part 1

Format	Color
Hex	617C80
RGB	97, 124, 128
RGB Percent	38%, 49%, 50%
CMY	0.6196, 0.5137, 0.4980
CMYK	0.24, 0.03, 0.00, 0.50
HSL	188°, 14%, 44%
HSV	188°, 24%, 50%
XYZ	16.0337, 18.5152, 23.1508
YIQ	116.3830, -17.3760, -4.4800

Conversions

Conversions Part 2

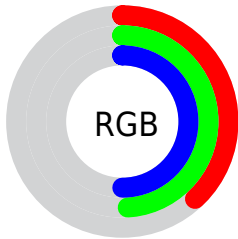
Format	Color
R _Y B	97, 111, 128
Decimal	6388864
CIE Lab	50.12, -8.71, -5.38
CIE LCh	50, 10.236, 211.705
Yxy	18.5152, 0.2779, 0.3209
Android (android.graphics.Color)	4284578944 (0xFF617C80)
YUV	116.3830, 5.7272, -16.9989
Hunter-Lab	43.0293, -8.7881, -1.7789

Details

The XYZ color **16.0337, 18.5152, 23.1508** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7136, 14.7597, 13.3304**, and the grayscale version is **16.7052, 17.5752, 19.1394**.

A 20% lighter version of the original color is **36.2754, 41.0764, 49.7327**, and **5.1940, 6.2496, 8.3297** is the 20% darker color. If you saturate the color by 10%, you get **14.5733, 17.4582, 23.0241**, and if you desaturate by 10%, it is **17.7187, 19.6941, 23.2898**.

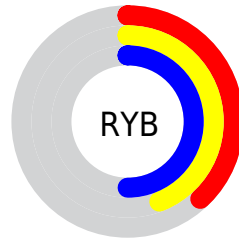
Distribution



Red (38%)

Green (49%)

Blue (50%)



Red (38%)

Yellow (44%)

Blue (50%)

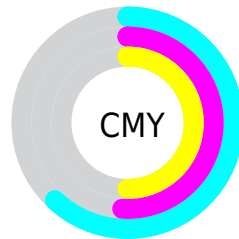


Cyan (24%)

Magenta (3%)

Yellow (0%)

Black (50%)



Cyan (62%)

Magenta (51%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0337, 18.5152, 23.1508 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 16.0337, 18.5152, 23.1508 by changing the saturation by 10% instead.

■ 16.0337, 18.5152,
23.1508

■ 16.0337, 18.5152,
23.1508

222.8070,
243.7592, 281.6456

■ 9.6390, 11.3205,
14.4985

■ 36.2137, 40.9133,
49.5672

■ 5.2207, 6.2828,
8.3255

■ 50.7297, 56.8854,
68.1683

■ 2.4134, 3.0178,
4.2132

■ 68.6835, 76.5522,
90.9229

■ 0.8518, 1.1410,
1.7430

■ 90.4404, 100.2980,
118.2494

■ 0.0000, 0.0127,
0.3900

116.3659,
128.5072, 150.5664

■ 0.0000, 0.0000,
0.0000

146.8252,

161.5642, 188.2924

182.1838,
199.8534, 231.8459

■ 16.0337, 18.5152,
23.1508

■ 16.0337, 18.5152,
23.1508

■ 14.5733, 17.4582,
23.0241

■ 17.7187, 19.6941,
23.2898

■ 13.3255, 16.5154,
22.9079

■ 19.6366, 20.9977,
23.4404

■ 12.2792, 15.6817,
22.8021

■ 21.7972, 22.4316,
23.6033

■ 11.4220, 14.9505,
22.7061

■ 24.2092, 24.0004,
23.7790

■ 10.7399, 14.3146,
22.6193

■ 26.8809, 25.7082,
23.9678

■ 10.2172, 13.7658,
22.5409

■ 29.8203, 27.5594,
24.1702

■ 9.8325, 13.2932,
22.4700

■ 33.0349, 29.5577,
24.3865

■ 9.6345, 13.0349,
22.4306

■ 36.5320, 31.7069,
24.6170

■ 40.3187, 34.0108,
24.8621

Harmonies

Analogous

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



15.7700, 18.5152, 20.3220



16.0337, 18.5152, 23.1508



16.7145, 18.5152, 25.3297

Triad

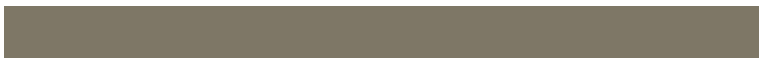
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.0337, 18.5152, 23.1508



19.3212, 18.5152, 22.8452



17.5418, 18.5152, 15.2043

Complementary

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



16.0337, 18.5152, 23.1508



15.7136, 14.7597, 13.3304

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.



18.5124, 18.5152, 15.7462



16.0337, 18.5152, 23.1508



19.5624, 18.5152, 19.9987

Square

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



16.0337, 18.5152, 23.1508



18.6136, 18.5152, 25.1420



19.2612, 18.5152, 17.4384



16.6203, 18.5152, 15.8837

Rectangle

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



16.0337, 18.5152, 23.1508



17.3260, 18.5152, 26.0254



19.2612, 18.5152, 17.4384



17.8731, 18.5152, 15.2494

Sweetspot

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



16.0342, 18.5160, 23.1512



33.5354, 36.2703, 41.1896



14.9795, 18.9122, 15.0750



7.8154, 8.4674, 9.6408



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.



16.0342, 18.5160, 23.1512



26.7811, 31.5593, 40.6363



14.2826, 15.0127, 22.5673



4.4006, 4.7953, 5.5069



9.5539, 12.9262, 22.2414



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.8153, 14.5942, 21.0003



28.4205, 23.4846, 36.0868



17.3189, 17.9703, 13.8655



4.4751, 4.4032, 5.3061



11.6993, 5.6994, 15.5382



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0337, 18.5152, 23.1508 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 16.0337, 18.5152, 23.1508 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

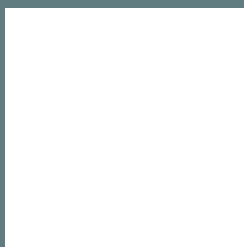
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0337, 18.5152, 23.1508

Background



This preview shows how black text looks on a background with the XYZ color 16.0337, 18.5152, 23.1508.



This preview shows how white text looks on a background with the XYZ color 16.0337, 18.5152,

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

16.0337, 18.5152, 23.1508

Protanopia

17.7243, 18.3340, 21.6734

Deuteranopia

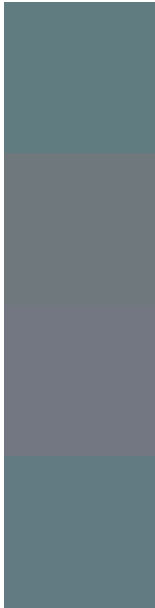
18.8788, 18.5381, 23.7023



Tritanopia

16.3536, 18.4560, 24.8907

Trichromacy



Original Color

16.0337, 18.5152, 23.1508

Protanomaly

16.9737, 18.2931, 22.0384

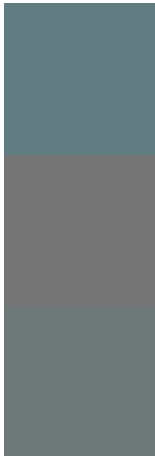
Deuteranomaly

17.6295, 18.4235, 23.3958

Tritanomaly

16.2167, 18.4013, 24.1698

Monochromacy



Original Color

16.0337, 18.5152, 23.1508

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2937, 17.8009, 20.3465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0337, 18.5152, 23.1508 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(97, 124, 128) looks like.

```
.text, #text, p{  
    color:rgb(97, 124, 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(97, 124, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 124, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.0337, 18.5152, 23.1508 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(97, 124, 128) }
```


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

```
.border{ border-color:rgb(97, 124, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 124, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 124, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 124, 128);  
box-shadow:4px 4px 4px 4px rgb(97, 124,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0337, 18.5152, 23.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 124, 128) }
```

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

```
.background{ background-color: rgb(97, 124,  
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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