

Converting Colors

XYZ(15.3206, 18.6665, 23.0455)

Have a look what the booklet for
XYZ(15.3206, 18.6665, 23.0455)
contains.

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Color

**XYZ(15.4161, 18.7635,
23.2313)**

Conversions

Conversions Part 1

Format	Color
Hex	577F80
RGB	87, 127, 128
RGB Percent	34%, 50%, 50%
CMY	0.6588, 0.5020, 0.4980
CMYK	0.32, 0.01, 0.00, 0.50
HSL	181°, 19%, 42%
HSV	181°, 32%, 50%
XYZ	15.4161, 18.7635, 23.2313
YIQ	115.1540, -24.1610, -8.1690

Conversions

Conversions Part 2

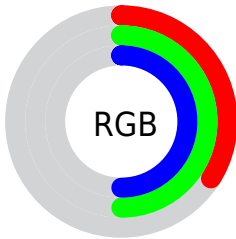
Format	Color
R_{YB}	87, 107, 128
Decimal	5734272
CIE _{Lab}	50.41, -13.57, -5.01
CIE _{LCh}	50, 14.465, 200.265
Yxy	18.7635, 0.2685, 0.3268
Android (android.graphics.Color)	4283924352 (0xFF577F80)
YUV	115.1540, 6.3331, -24.6911
Hunter-Lab	43.3169, -12.2779, -1.4761

Details

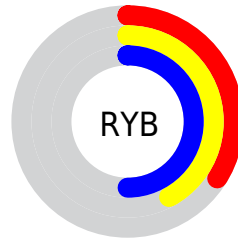
The XYZ color **15.4161, 18.7635, 23.2313** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.1123, 12.2568, 10.6391**, and the grayscale version is **16.3295, 17.1799, 18.7089**.

A 20% lighter version of the original color is **35.1430, 41.3820, 49.8514**, and **4.9350, 6.4254, 8.3773** is the 20% darker color. If you saturate the color by 10%, you get **14.2854, 18.1214, 23.1673**, and if you desaturate by 10%, it is **16.7600, 19.5166, 23.3062**.

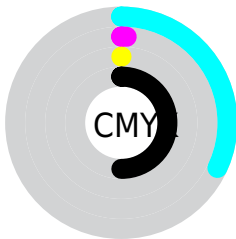
Distribution



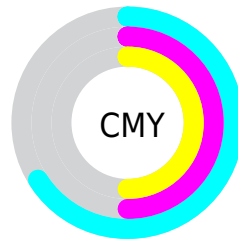
- Red (34%)
- Green (50%)
- Blue (50%)



- Red (34%)
- Yellow (42%)
- Blue (50%)



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)



- Cyan (66%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4161, 18.7635, 23.2313 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 15.4161, 18.7635, 23.2313 by changing the saturation by 10% instead.

■ 15.4161, 18.7635,
23.2313

■ 15.4161, 18.7635,
23.2313

219.2099,
245.1400, 282.0711

■ 9.2001, 11.4995,
14.5575

■ 35.1472, 41.3341,
49.7008

■ 4.9301, 6.4039,
8.3663

■ 49.3931, 57.4095,
68.3337

■ 2.2406, 3.0922,
4.2391

■ 67.0463, 77.1908,
91.1232

■ 0.7640, 1.1800,
1.7574

■ 88.4722, 101.0624,
118.4881

■ 0.0000, 0.0453,
0.3996

■ 114.0361,
129.4088, 150.8467

■ 0.0000, 0.0000,
0.0000

144.1035,

162.6142, 188.6178

179.0397,
201.0632, 232.2197

■ 15.4161, 18.7635,
23.2313

■ 15.4161, 18.7635,
23.2313

■ 14.2854, 18.1214,
23.1673

■ 16.7600, 19.5166,
23.3062

■ 13.3550, 17.5823,
23.1122

■ 18.3257, 20.3838,
23.3910

■ 12.6133, 17.1406,
23.0661

■ 20.1236, 21.3709,
23.4868

■ 12.0466, 16.7894,
23.0282

■ 22.1627, 22.4825,
23.5939

■ 11.6397, 16.5206,
22.9977

■ 24.4517, 23.7231,
23.7127

■ 11.3744, 16.3251,
22.9740

■ 26.9988, 25.0970,
23.8436

■ 11.2153, 16.1964,
22.9575

■ 29.8118, 26.6081,
23.9870

■ 32.8983, 28.2604,
24.1433

■ 36.2653, 30.0575,
24.3127

Harmonies

Analogous

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



15.2999, 18.7635, 19.1487



15.4161, 18.7635, 23.2313



16.1610, 18.7635, 26.9822

Triad

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



15.4161, 18.7635, 23.2313



19.9952, 18.7635, 25.7906



18.2953, 18.7635, 13.7093

Complementary

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



15.4161, 18.7635, 23.2313



14.1123, 12.2568, 10.6391

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.



19.6189, 18.7635, 15.0354



15.4161, 18.7635, 23.2313



20.6339, 18.7635, 21.7678

Square

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



15.4161, 18.7635, 23.2313



18.7871, 18.7635, 28.5892



20.4927, 18.7635, 17.8639



16.9140, 18.7635, 13.9931

Rectangle

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



15.4161, 18.7635, 23.2313



16.9367, 18.7635, 28.6198



20.4927, 18.7635, 17.8639



18.7628, 18.7635, 13.9741

Sweetspot

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



15.4167, 18.7643, 23.2317



32.8041, 36.1854, 41.2118



13.3983, 18.1643, 11.9641



7.5970, 8.4261, 9.6443



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.



15.4167, 18.7643, 23.2317



25.7408, 32.2421, 40.8229



13.0657, 14.0623, 22.4481



4.4377, 4.8695, 5.5193



11.1207, 16.0600, 22.7637



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1415, 12.9382, 21.7261



27.2208, 20.4220, 37.7316



16.0046, 16.0415, 11.2699



4.4938, 4.4107, 5.4047



12.4902, 6.0158, 19.7030



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.4161, 18.7635, 23.2313 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 15.4161, 18.7635, 23.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

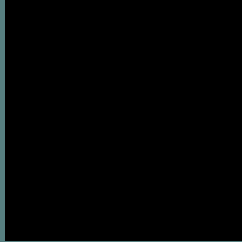
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.4161, 18.7635, 23.2313

Background



This preview shows how black text looks on a background with the XYZ color 15.4161, 18.7635, 23.2313.



This preview shows how white text looks on a background with the XYZ color 15.4161, 18.7635,

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

15.4161, 18.7635, 23.2313

Protanopia

18.0571, 18.6887, 21.3945

Deuteranopia

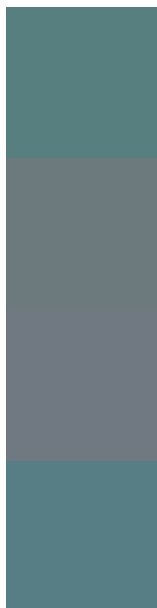
18.8788, 18.5381, 23.7023



Tritanopia

16.0246, 18.8231, 26.0812

Trichromacy



Original Color

15.4161, 18.7635, 23.2313

Protanomaly

16.9679, 18.6509, 22.1077

Deuteranomaly

17.3610, 18.4627, 23.4175

Tritanomaly

15.7190, 18.6899, 24.9693

Monochromacy



Original Color

15.4161, 18.7635, 23.2313

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.8127, 17.5530, 20.3239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4161, 18.7635, 23.2313 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(87, 127, 128)` looks like.

```
.text, #text, p{  
    color:rgb(87, 127, 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(87, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 127, 128) }
```

Border

The CSS property to change the border of an element to XYZ 15.4161, 18.7635, 23.2313 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(87, 127, 128) }
```


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

```
.border{ border-color:rgb(87, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 127, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 127, 128);  
box-shadow:4px 4px 4px 4px rgb(87, 127,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4161, 18.7635, 23.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 127, 128) }
```

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

```
.background{ background-color: rgb(87, 127,  
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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