

Converting Colors

XYZ(15.7768, 19.4365, 27.7310)

Have a look what the booklet for
XYZ(15.7768, 19.4365, 27.7310)
contains.

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Color

**XYZ(15.7768, 19.4365,
27.7310)**

Conversions

Conversions Part 1

Format	Color
Hex	4D828C
RGB	77, 130, 140
RGB Percent	30%, 51%, 55%
CMY	0.6980, 0.4902, 0.4510
CMYK	0.45, 0.07, 0.00, 0.45
HSL	190°, 29%, 43%
HSV	190°, 45%, 55%
XYZ	15.7768, 19.4365, 27.7310
YIQ	115.2930, -34.7980, -8.1260

Conversions

Conversions Part 2

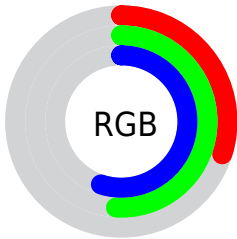
Format	Color
R_{YB}	77, 106, 140
Decimal	5079692
CIE _{Lab}	51.19, -14.84, -10.92
CIE _{LCh}	51, 18.428, 216.351
Yxy	19.4365, 0.2506, 0.3088
Android (android.graphics.Color)	4283269772 (0xFF4D828C)
YUV	115.2930, 12.1806, -33.5830
Hunter-Lab	44.0868, -13.2745, -6.4331

Details

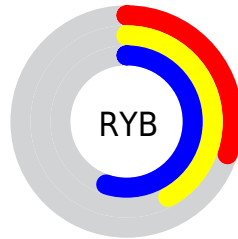
The XYZ color **15.7768, 19.4365, 27.7310** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.5633, 12.9279, 8.6967**, and the grayscale version is **16.3568, 17.2087, 18.7402**.

A 20% lighter version of the original color is **35.8770, 42.5078, 57.3529**, and **5.1412, 6.8052, 10.7154** is the 20% darker color. If you saturate the color by 10%, you get **14.4743, 18.3314, 27.5867**, and if you desaturate by 10%, it is **17.3300, 20.6812, 27.8897**.

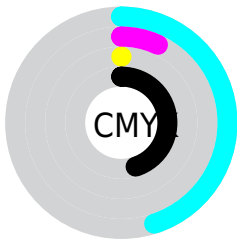
Distribution



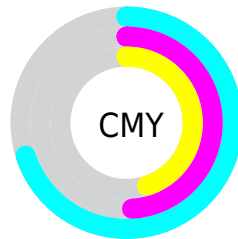
- Red (30%)
- Green (51%)
- Blue (55%)



- Red (30%)
- Yellow (42%)
- Blue (55%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (45%)



- Cyan (70%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7768, 19.4365, 27.7310 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 15.7768, 19.4365, 27.7310 by changing the saturation by 10% instead.

■ 15.7768, 19.4365,
27.7310

■ 15.7768, 19.4365,
27.7310

■ 221.3174,
248.8480, 305.0507

■ 9.4562, 11.9861,
17.8857

■ 35.7709, 42.4704,
57.0726

■ 5.0994, 6.7342,
10.6994

■ 50.1750, 58.8227,
77.4060

■ 2.3411, 3.2964,
5.7534

■ 68.0044, 78.9110,
102.0725

■ 0.8155, 1.2884,
2.6294

■ 89.6244, 103.1199,
131.4907

■ 0.0000, 0.1322,
0.9076

■ 115.4004,
131.8336, 166.0790

■ 0.0000, 0.0000,
0.0000

145.6976,

165.4366, 206.2561

180.8815,
204.3133, 252.4405

■ 15.7768, 19.4365,
27.7310

■ 15.7768, 19.4365,
27.7310

■ 14.4743, 18.3314,
27.5867

■ 17.3300, 20.6812,
27.8897

■ 13.4049, 17.3555,
27.4547

■ 19.1466, 22.0707,
28.0622

■ 12.5517, 16.5004,
27.3346

■ 21.2404, 23.6127,
28.2495

■ 11.8943, 15.7555,
27.2255

■ 23.6237, 25.3137,
28.4522

■ 11.4054, 15.1068,
27.1260

■ 26.3082, 27.1796,
28.6708

■ 11.1864, 14.7989,
27.0781

■ 29.3049, 29.2162,
28.9060

■ 32.6241, 31.4289,
29.1582

■ 36.2758, 33.8229,
29.4278

■ 40.2695, 36.4031,
29.7153

Harmonies

Analogous

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



15.1861, 19.4365, 22.2999



15.7768, 19.4365, 27.7310



17.0951, 19.4365, 31.8272

Triad

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



15.7768, 19.4365, 27.7310



21.8958, 19.4365, 25.4781



18.0865, 19.4365, 12.6292

Complementary

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



15.7768, 19.4365, 27.7310



15.5633, 12.9279, 8.6967

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.



19.9247, 19.4365, 13.1947



15.7768, 19.4365, 27.7310



22.2047, 19.4365, 20.0655

Square

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



15.7768, 19.4365, 27.7310



20.6437, 19.4365, 30.3833



21.4619, 19.4365, 15.7238



16.4616, 19.4365, 14.0268

Rectangle

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



15.7768, 19.4365, 27.7310



18.2503, 19.4365, 32.9260



21.4619, 19.4365, 15.7238



18.6992, 19.4365, 12.5998

Sweetspot

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



15.7774, 19.4373, 27.7315



38.1350, 42.1268, 49.8643



14.1370, 21.0135, 12.2108



8.6042, 9.5747, 11.4740



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.7774, 19.4373, 27.7315



25.4895, 32.2933, 48.6328



12.2612, 12.4049, 26.5594



5.1064, 5.5558, 6.4091



9.9513, 13.1728, 24.0638



0.0745, 0.1043, 0.1627

Inverse Universe

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



17.4988, 12.4954, 22.6095



29.0229, 18.7958, 37.9507



18.6277, 19.0568, 9.7182



5.2003, 5.1156, 6.1434



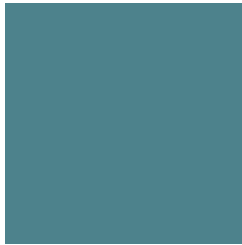
12.5097, 6.1140, 15.7205



0.0873, 0.0423, 0.1268

Previews

White Background



This preview shows how the XYZ color 15.7768, 19.4365, 27.7310 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 15.7768, 19.4365, 27.7310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

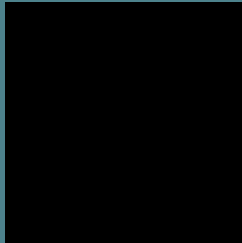
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7768, 19.4365, 27.7310

Background



This preview shows how black text looks on a background with the XYZ color 15.7768, 19.4365, 27.7310.

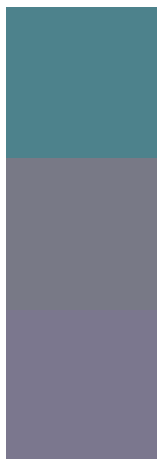


This preview shows how white text looks on a background with the XYZ color 15.7768, 19.4365,

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

15.7768, 19.4365, 27.7310

Protanopia

18.8862, 19.3890, 25.3013

Deuteranopia

19.6477, 19.3576, 28.2920



Tritanopia

15.7768, 19.4365, 27.7310

Trichromacy



Original Color

15.7768, 19.4365, 27.7310

Protanomaly

17.3605, 19.1359, 26.0712

Deuteranomaly

17.8345, 19.1532, 27.9563

Tritanomaly

15.7768, 19.4365, 27.7310

Monochromacy



Original Color

15.7768, 19.4365, 27.7310

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.7214, 17.6549, 21.6479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7768, 19.4365, 27.7310 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(77, 130, 140)` looks like.

```
.text, #text, p{  
    color:rgb(77, 130, 140)  
}
```

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(77, 130, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 130, 140) }
```

Border

The CSS property to change the border of an element to XYZ 15.7768, 19.4365, 27.7310 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(77, 130, 140) }
```


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

```
.border{ border-color:rgb(77, 130, 140) }
```

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

Here you see how a box with a 4 pixel rgb(77, 130, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 130, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 130, 140);  
box-shadow:4px 4px 4px 4px rgb(77, 130,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7768, 19.4365, 27.7310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 130, 140) }
```

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

```
.background{ background-color: rgb(77, 130,  
140) }
```

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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