

Converting Colors

XYZ(15.7460, 19.7758, 29.7753)

Have a look what the booklet for
XYZ(15.7460, 19.7758, 29.7753)
contains.

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Color

**XYZ(15.7460, 19.7758,
29.7753)**

Conversions

Conversions Part 1

Format	Color
Hex	448491
RGB	68, 132, 145
RGB Percent	27%, 52%, 57%
CMY	0.7333, 0.4823, 0.4314
CMYK	0.53, 0.09, 0.00, 0.43
HSL	190°, 36%, 42%
HSV	190°, 53%, 57%
XYZ	15.7460, 19.7758, 29.7753
YIQ	114.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

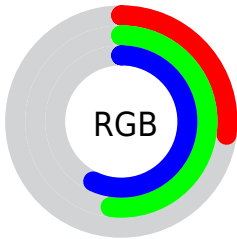
Format	Color
RYB	68, 103, 145
Decimal	4490385
CIELab	51.58, -16.70, -13.29
CIElCh	52, 21.343, 218.527
Yxy	19.7758, 0.2411, 0.3029
Android (android.graphics.Color)	4282680465 (0xFF448491)
YUV	114.3460, 15.1124, -40.6454
Hunter-Lab	44.4700, -14.6189, -8.5692

Details

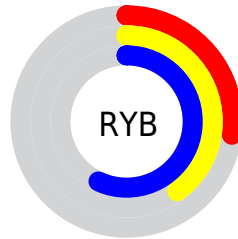
The XYZ color **15.7460, 19.7758, 29.7753** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.6633, 12.3225, 7.0224**, and the grayscale version is **16.0638, 16.9004, 18.4045**.

A 20% lighter version of the original color is **35.6838, 42.9590, 60.4440**, and **5.0829, 6.8608, 11.8828** is the 20% darker color. If you saturate the color by 10%, you get **14.5292, 18.6619, 29.6248**, and if you desaturate by 10%, it is **17.2220, 21.0358, 29.9411**.

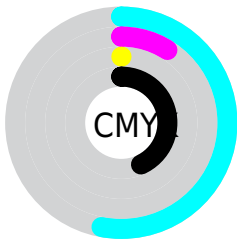
Distribution



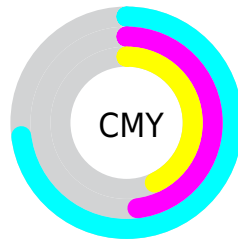
- Red (27%)
- Green (52%)
- Blue (57%)



- Red (27%)
- Yellow (40%)
- Blue (57%)



- Cyan (53%)
- Magenta (9%)
- Yellow (0%)
- Black (43%)



- Cyan (73%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7460, 19.7758, 29.7753 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 15.7460, 19.7758, 29.7753 by changing the saturation by 10% instead.

■ 15.7460, 19.7758,
29.7753

■ 15.7460, 19.7758,
29.7753

221.1382,
250.6988, 315.0303

■ 9.4343, 12.2322,
19.4175

■ 35.7177, 43.0410,
60.3634

■ 5.0849, 6.9020,
11.7925

■ 50.1084, 59.5313,
81.4309

■ 2.3324, 3.4009,
6.4817

■ 67.9228, 79.7727,
106.9052

■ 0.8112, 1.3444,
3.0667

■ 89.5264, 104.1495,
137.2051

■ 0.0000, 0.1752,
1.1288

■ 115.2843,
133.0461, 172.7490

■ 0.0000, 0.0000,
0.0000

145.5620,

166.8469, 213.9555

180.7248,
205.9364, 261.2431

■ 15.7460, 19.7758,
29.7753

■ 15.7460, 19.7758,
29.7753

■ 14.5292, 18.6619,
29.6248

■ 17.2220, 21.0358,
29.9411

■ 13.5508, 17.6820,
29.4872

■ 18.9723, 22.4483,
30.1215

■ 12.7901, 16.8257,
29.3620

■ 21.0128, 24.0222,
30.3177

■ 12.2215, 16.0797,
29.2480

■ 23.3580, 25.7650,
30.5305

■ 11.8903, 15.6031,
29.1735

■ 26.0212, 27.6836,
30.7604

■ 29.0148, 29.7844,
31.0082

■ 32.3507, 32.0737,
31.2742

■ 36.0402, 34.5574,
31.5592

■ 40.0940, 37.2411,
31.8635

Harmonies

Analogous

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



14.9995, 19.7758, 23.3350



15.7460, 19.7758, 29.7753



17.3242, 19.7758, 34.5266

Triad

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



15.7460, 19.7758, 29.7753



22.9090, 19.7758, 26.1605



18.1903, 19.7758, 11.8229

Complementary

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



15.7460, 19.7758, 29.7753



15.6633, 12.3225, 7.0224

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.



20.3495, 19.7758, 12.2919



15.7460, 19.7758, 29.7753



23.1852, 19.7758, 19.8252

Square

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



15.7460, 19.7758, 29.7753



21.4889, 19.7758, 32.1784



22.2171, 19.7758, 14.9714



16.3386, 19.7758, 13.5392

Rectangle

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



15.7460, 19.7758, 29.7753



18.6903, 19.7758, 35.6585



22.2171, 19.7758, 14.9714



18.9027, 19.7758, 11.7380

Sweetspot

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



15.7466, 19.7766, 29.7758



40.4116, 45.0981, 54.5484



13.9888, 22.0718, 11.2755



8.8192, 9.9060, 12.1194



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.7466, 19.7766, 29.7758



25.5922, 33.0081, 52.9959



11.4684, 11.2202, 28.3497



5.4839, 5.9635, 6.8908



10.2148, 13.4156, 25.0282



0.1109, 0.1548, 0.2437

Inverse Universe

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



17.9096, 11.8205, 23.1682



30.0719, 17.7453, 39.0385



19.3575, 19.7108, 8.2537



5.5877, 5.4956, 6.5929



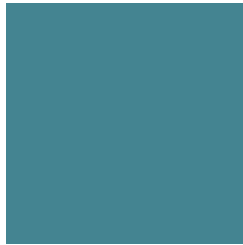
12.9591, 6.3407, 15.9677



0.1306, 0.0633, 0.1879

Previews

White Background



This preview shows how the XYZ color 15.7460, 19.7758, 29.7753 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 15.7460, 19.7758, 29.7753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

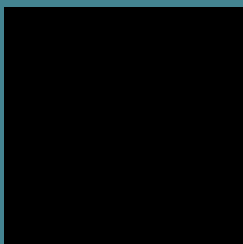
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7460, 19.7758, 29.7753

Background



This preview shows how black text looks on a background with the XYZ color 15.7460, 19.7758, 29.7753.



This preview shows how white text looks on a background with the XYZ color 15.7460, 19.7758,

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

15.7460, 19.7758, 29.7753

Protanopia

19.1705, 19.5028, 26.7988

Deuteranopia

20.0878, 19.7086, 30.7624



Tritanopia

15.5239, 19.6790, 28.9668

Trichromacy



Original Color

15.7460, 19.7758, 29.7753

Protanomaly

17.5082, 19.3570, 28.0128

Deuteranomaly

17.9536, 19.3467, 30.3918

Tritanomaly

15.6000, 19.7094, 29.3676

Monochromacy



Original Color

15.7460, 19.7758, 29.7753

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.4688, 17.6968, 22.0026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7460, 19.7758, 29.7753 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(68, 132, 145)` looks like.

```
.text, #text, p{  
    color:rgb(68, 132, 145)  
}
```

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(68, 132, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 132, 145) }
```

Border

The CSS property to change the border of an element to XYZ 15.7460, 19.7758, 29.7753 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(68, 132, 145) }
```


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

```
.border{ border-color:rgb(68, 132, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 132, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 132, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 132, 145);  
box-shadow:4px 4px 4px 4px rgb(68, 132,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7460, 19.7758, 29.7753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 132, 145) }
```

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

```
.background{ background-color: rgb(68, 132,  
145) }
```

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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