

Converting Colors

XYZ(15.8367, 22.1967, 30.3799)

Have a look what the booklet for
XYZ(15.8367, 22.1967, 30.3799)
contains.

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Color

**XYZ(15.7700, 22.1206,
30.2266)**

Conversions

Conversions Part 1

Format	Color
Hex	278F91
RGB	39, 143, 145
RGB Percent	15%, 56%, 57%
CMY	0.8470, 0.4392, 0.4314
CMYK	0.73, 0.01, 0.00, 0.43
HSL	181°, 58%, 36%
HSV	181°, 73%, 57%
XYZ	15.7700, 22.1206, 30.2266
YIQ	112.1320, -62.6260, -21.4260

Conversions

Conversions Part 2

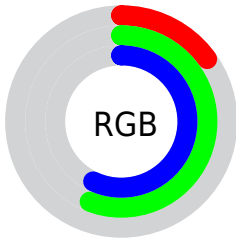
Format	Color
R_{YB}	39, 91, 145
Decimal	2592657
CIE _{Lab}	54.15, -27.64, -9.51
CIE _{LCh}	54, 29.234, 198.989
Yxy	22.1206, 0.2315, 0.3247
Android (android.graphics.Color)	4280782737 (0xFF278F91)
YUV	112.1320, 16.2039, -64.1368
Hunter-Lab	47.0325, -22.4559, -5.1814




Details

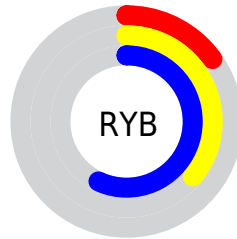
The XYZ color **15.7700, 22.1206, 30.2266** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.8367, 7.7526, 2.7399**, and the grayscale version is **15.4078, 16.2102, 17.6529**.




A 20% lighter version of the original color is **35.7545, 46.8808, 61.1973**, and **5.8927, 8.4805, 12.1528** is the 20% darker color. If you saturate the color by 10%, you get **15.2816, 21.8084, 30.1925**, and if you desaturate by 10%, it is **16.4698, 22.5429, 30.2716**.

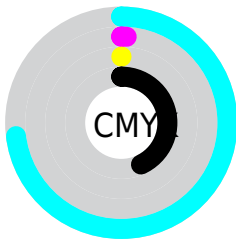
Distribution







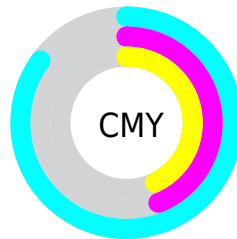
-  Red (15%)
-  Green (56%)
-  Blue (57%)






-  Red (15%)
-  Yellow (36%)
-  Blue (57%)



-  Cyan (73%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (43%)



-  Cyan (85%)
-  Magenta (44%)
-  Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7700, 22.1206, 30.2266 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 15.7700, 22.1206, 30.2266 by changing the saturation by 10% instead.

■ 15.7700, 22.1206,
30.2266

■ 15.7700, 22.1206,
30.2266

■ 221.2779,
263.1754, 317.1994

■ 9.4514, 13.9455,
19.7571

■ 35.7591, 46.9452,
61.0856

■ 5.0962, 8.0828,
12.0363

■ 50.1603, 64.3636,
82.3122

■ 2.3392, 4.1480,
6.6456

■ 67.9864, 85.6319,
107.9616

■ 0.8146, 1.7567,
3.1664

■ 89.6028, 111.1344,
138.4523

■ 0.0000, 0.4600,
1.1802

■ 115.3748,
141.2557, 174.2029

■ 0.0000, 0.0000,
0.0000

■ 145.6677,

176.3800, 215.6319

180.8469,
216.8918, 263.1579

■ 15.7700, 22.1206,
30.2266

■ 15.7700, 22.1206,
30.2266

■ 15.2816, 21.8084,
30.1925

■ 16.4698, 22.5429,
30.2716

■ 14.9771, 21.5907,
30.1665

■ 17.4004, 23.0838,
30.3270

■ 14.8236, 21.4698,
30.1513

■ 18.5813, 23.7538,
30.3941

■ 20.0293, 24.5618,
30.4737

■ 21.7598, 25.5155,
30.5666

■ 23.7871, 26.6224,
30.6734

■ 26.1245, 27.8892,
30.7947

■ 28.7844, 29.3225,
30.9312

■ 31.7786, 30.9283,
31.0833

Harmonies

Analogous

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



15.5894, 22.1206, 20.9016



15.7700, 22.1206, 30.2266



17.2720, 22.1206, 39.8128

Triad

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



15.7700, 22.1206, 30.2266



25.9701, 22.1206, 37.4590



22.2113, 22.1206, 10.6886

Complementary

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



15.7700, 22.1206, 30.2266



12.8367, 7.7526, 2.7399

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.



25.2856, 22.1206, 13.1649



15.7700, 22.1206, 30.2266



27.5965, 22.1206, 27.5775

Square

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



15.7700, 22.1206, 30.2266



23.0722, 22.1206, 44.6604



27.3341, 22.1206, 18.8383



19.1026, 22.1206, 11.0586

Rectangle

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



15.7700, 22.1206, 30.2266



18.9135, 22.1206, 44.3430



27.3341, 22.1206, 18.8383



23.2880, 22.1206, 11.1845

Sweetspot

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



15.7707, 22.1214, 30.2271



39.1843, 45.8124, 54.7510



11.3588, 20.8411, 5.5012



8.5416, 10.0952, 12.1706



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.



15.7707, 22.1214, 30.2271



26.9662, 38.7754, 54.0367



9.6241, 9.8283, 28.1783



5.5517, 6.0991, 6.9134



12.7168, 18.4196, 25.8622



0.1234, 0.1797, 0.2479

Inverse Universe

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



17.3611, 9.4546, 26.8974



30.0284, 14.9061, 47.5088



16.0259, 14.1310, 3.8030



5.6219, 5.5093, 6.7731



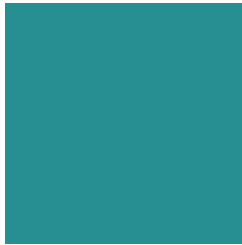
14.2220, 6.8458, 22.6180



0.1369, 0.0658, 0.2210

Previews

White Background



This preview shows how the XYZ color 15.7700, 22.1206, 30.2266 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 15.7700, 22.1206, 30.2266 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 15.7700, 22.1206, 30.2266

Background



This preview shows how black text looks on a background with the XYZ color 15.7700, 22.1206, 30.2266.



This preview shows how white text looks on a background with the XYZ color 15.7700, 22.1206,

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

15.7700, 22.1206, 30.2266

Protanopia

21.2164, 21.8830, 26.3982

Deuteranopia

22.4014, 21.9972, 31.4990



Tritanopia

16.5050, 22.2038, 33.5529

Trichromacy



Original Color

15.7700, 22.1206, 30.2266

Protanomaly

17.8716, 21.1259, 27.5619

Deuteranomaly

18.6336, 21.2373, 31.1341

Tritanomaly

16.1743, 22.0616, 32.2600

Monochromacy



Original Color

15.7700, 22.1206, 30.2266

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.4674, 17.5524, 21.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7700, 22.1206, 30.2266 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(39, 143, 145)` looks like.

```
.text, #text, p{  
    color:rgb(39, 143, 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(39, 143, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 143, 145) }
```

Border

The CSS property to change the border of an element to XYZ 15.7700, 22.1206, 30.2266 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(39, 143, 145) }
```


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

```
.border{ border-color:rgb(39, 143, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 143, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 143, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 143, 145);  
box-shadow:4px 4px 4px 4px rgb(39, 143,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7700, 22.1206, 30.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 143, 145) }
```

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

```
.background{ background-color: rgb(39, 143,  
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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