

Converting Colors

XYZ(12.2590, 15.4033, 22.4110)

Have a look what the booklet for
XYZ(12.2590, 15.4033, 22.4110)
contains.

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Color

**XYZ(12.1787, 15.2790,
22.3859)**

Conversions

Conversions Part 1

Format	Color
Hex	3E757F
RGB	62, 117, 127
RGB Percent	24%, 46%, 50%
CMY	0.7568, 0.5412, 0.5020
CMYK	0.51, 0.08, 0.00, 0.50
HSL	189°, 34%, 37%
HSV	189°, 51%, 50%
XYZ	12.1787, 15.2790, 22.3859
YIQ	101.6950, -35.9900, -8.5500

Conversions

Conversions Part 2

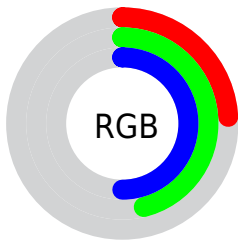
Format	Color
RYB	62, 92, 127
Decimal	4093311
CIELab	46.01, -15.23, -11.12
CIElCh	46, 18.858, 216.137
Yxy	15.2790, 0.2443, 0.3065
Android (android.graphics.Color)	4282283391 (0xFF3E757F)
YUV	101.6950, 12.4754, -34.8125
Hunter-Lab	39.0884, -12.7897, -6.5935




Details

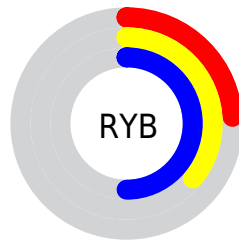
The XYZ color **12.1787, 15.2790, 22.3859** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.9397, 9.4950, 5.7615**, and the grayscale version is **12.5255, 13.1778, 14.3506**.




A 20% lighter version of the original color is **29.3656, 35.2486, 48.4360**, and **3.5033, 4.8063, 7.9508** is the 20% darker color. If you saturate the color by 10%, you get **11.2484, 14.4653, 22.2781**, and if you desaturate by 10%, it is **13.3009, 16.1993, 22.5047**.

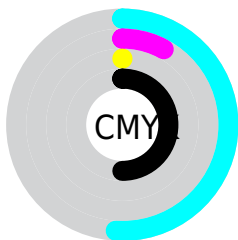
Distribution







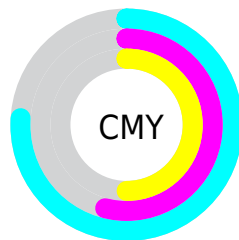
-  Red (24%)
-  Green (46%)
-  Blue (50%)






-  Red (24%)
-  Yellow (36%)
-  Blue (50%)



-  Cyan (51%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (50%)



-  Cyan (76%)
-  Magenta (54%)
-  Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1787, 15.2790, 22.3859 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 12.1787, 15.2790, 22.3859 by changing the saturation by 10% instead.

■ 12.1787, 15.2790,
22.3859

■ 12.1787, 15.2790,
22.3859

199.3306,
225.0488, 277.5739

■ 6.9386, 9.0154,
13.9397

■ 29.4342, 35.3419,
48.2933

■ 3.4697, 4.7512,
7.9405

■ 42.1803, 49.9100,
66.5916

■ 1.4067, 2.1021,
3.9697

■ 58.1590, 68.0151,
89.0111

■ 0.2610, 0.6658,
1.6087

■ 77.7358, 90.0415,
115.9702

■ 0.0000, 0.0000,
0.2970

■ 101.2760,
116.3737, 147.8874

■ 0.0000, 0.0000,
0.0000

129.1450,

147.3961, 185.1815

161.7081,
183.4929, 228.2708

■ 12.1787, 15.2790,
22.3859

■ 12.1787, 15.2790,
22.3859

■ 11.2484, 14.4653,
22.2781

■ 13.3009, 16.1993,
22.5047

■ 10.4953, 13.7497,
22.1797

■ 14.6255, 17.2308,
22.6339

■ 9.9050, 13.1249,
22.0902

■ 16.1639, 18.3796,
22.7746

■ 9.4601, 12.5820,
22.0089

■ 17.9262, 19.6510,
22.9271

■ 9.1369, 12.1446,
21.9415

■ 19.9219, 21.0499,
23.0920

■ 22.1599, 22.5810,
23.2695

■ 24.6487, 24.2488,
23.4603

■ 27.3964, 26.0572,
23.6645

■ 30.4106, 28.0105,
23.8827

Harmonies

Analogous

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



11.6756, 15.2790, 17.5951



12.1787, 15.2790, 22.3859



13.3139, 15.2790, 26.0546

Triad

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



12.1787, 15.2790, 22.3859



17.5183, 15.2790, 20.4575



14.1961, 15.2790, 9.3292

Complementary

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



12.1787, 15.2790, 22.3859



11.9397, 9.4950, 5.7615

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.



15.8015, 15.2790, 9.8148



12.1787, 15.2790, 22.3859



17.7976, 15.2790, 15.7128

Square

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



12.1787, 15.2790, 22.3859



16.4112, 15.2790, 24.8060



17.1486, 15.2790, 11.9664



12.7840, 15.2790, 10.4917

Rectangle

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



12.1787, 15.2790, 22.3859



14.3161, 15.2790, 27.0550



17.1486, 15.2790, 11.9664



14.7303, 15.2790, 9.3085

Sweetspot

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



12.1792, 15.2796, 22.3863



30.7326, 34.2112, 40.9399



10.7380, 16.6679, 8.7401



7.0643, 7.9152, 9.5738



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.



12.1792, 15.2796, 22.3863



19.9540, 25.7309, 39.8711



9.0468, 9.0148, 21.3421



4.3919, 4.7778, 5.5040



9.2140, 12.2464, 22.1281



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.6863, 9.2422, 17.8927



23.0642, 14.0280, 30.4290



14.5978, 14.8113, 6.6475



4.4706, 4.4014, 5.2828



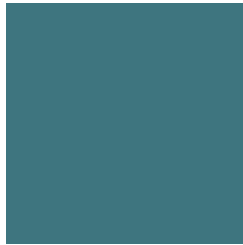
11.5277, 5.6308, 14.6347



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1787, 15.2790, 22.3859 looks on a white 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

Black Background



This preview shows how the XYZ color 12.1787, 15.2790, 22.3859 looks on a black 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

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

XYZ 12.1787, 15.2790, 22.3859

Background



This preview shows how black text looks on a background with the XYZ color 12.1787, 15.2790, 22.3859.



This preview shows how white text looks on a background with the XYZ color 12.1787, 15.2790,

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

12.1787, 15.2790, 22.3859

Protanopia

14.8772, 15.2314, 20.2450

Deuteranopia

15.4232, 15.1443, 22.8791



Tritanopia

12.1787, 15.2790, 22.3859

Trichromacy



Original Color

12.1787, 15.2790, 22.3859

Protanomaly

13.5740, 15.0231, 20.9232

Deuteranomaly

13.8858, 14.9857, 22.5827

Tritanomaly

12.1787, 15.2790, 22.3859

Monochromacy



Original Color

12.1787, 15.2790, 22.3859

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0574, 13.6893, 17.0457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1787, 15.2790, 22.3859 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(62, 117, 127) looks like.

```
.text, #text, p{  
    color:rgb(62, 117, 127)  
}
```

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(62, 117, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 117, 127) }
```

Border

The CSS property to change the border of an element to XYZ 12.1787, 15.2790, 22.3859 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(62, 117, 127) }
```


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

```
.border{ border-color:rgb(62, 117, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 117, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 117, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 117, 127);  
box-shadow:4px 4px 4px 4px rgb(62, 117,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1787, 15.2790, 22.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 117, 127) }
```

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

```
.background{ background-color: rgb(62, 117,  
127) }
```

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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