

Converting Colors

XYZ(12.1394, 15.6231, 19.7068)

Have a look what the booklet for
XYZ(12.1394, 15.6231, 19.7068)
contains.

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Color

**XYZ(12.1734, 15.6838,
19.8384)**

Conversions

Conversions Part 1

Format	Color
Hex	427777
RGB	66, 119, 119
RGB Percent	26%, 47%, 47%
CMY	0.7412, 0.5333, 0.5333
CMYK	0.45, 0.00, 0.00, 0.53
HSL	180°, 29%, 36%
HSV	180°, 45%, 47%
XYZ	12.1734, 15.6838, 19.8384
YIQ	103.1530, -31.5880, -11.2360

Conversions

Conversions Part 2

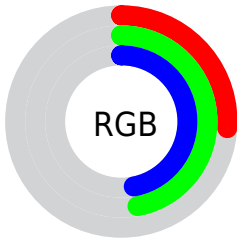
Format	Color
R _Y B	66, 93, 119
Decimal	4355959
CIE Lab	46.56, -17.61, -5.53
CIE LCh	47, 18.453, 197.424
Yxy	15.6838, 0.2552, 0.3288
Android (android.graphics.Color)	4282546039 (0xFF427777)
YUV	103.1530, 7.8126, -32.5832
Hunter-Lab	39.6028, -14.4362, -1.9785

Details

The XYZ color **12.1734, 15.6838, 19.8384** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5399, 8.2123, 6.1846**, and the grayscale version is **12.9190, 13.5918, 14.8015**.

A 20% lighter version of the original color is **29.3848, 35.9176, 43.9121**, and **3.4527, 4.8998, 6.7250** is the 20% darker color. If you saturate the color by 10%, you get **11.4537, 15.3132, 19.8050**, and if you desaturate by 10%, it is **13.0609, 16.1417, 19.8804**.

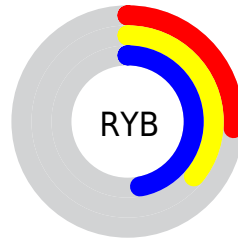
Distribution



Red (26%)

Green (47%)

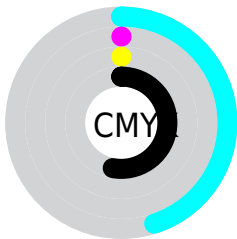
Blue (47%)



Red (26%)

Yellow (36%)

Blue (47%)

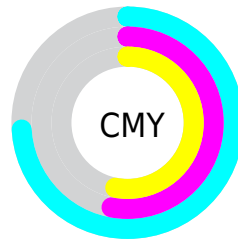


Cyan (45%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (74%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1734, 15.6838, 19.8384 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 12.1734, 15.6838, 19.8384 by changing the saturation by 10% instead.

■ 12.1734, 15.6838,
19.8384

■ 12.1734, 15.6838,
19.8384

199.2964,
227.4686, 263.6142

■ 6.9349, 9.3007,
12.0947

■ 29.4246, 36.0484,
44.0015

■ 3.4674, 4.9378,
6.6849

■ 42.1681, 50.7986,
61.2580

■ 1.4055, 2.2108,
3.1904

■ 58.1440, 69.1067,
82.5225

■ 0.2601, 0.7259,
1.1927

■ 77.7176, 91.3571,
108.2135

■ 0.0000, 0.0000,
0.0000

■ 101.2543,
117.9340, 138.7497

129.1194,

149.2220, 174.5495

161.6783,
185.6054, 216.0315

■ 12.1734, 15.6838,
19.8384

■ 12.1734, 15.6838,
19.8384

■ 11.4537, 15.3132,
19.8050

■ 13.0609, 16.1417,
19.8804

■ 10.8900, 15.0226,
19.7785

■ 14.1243, 16.6899,
19.9302

■ 10.4711, 14.8066,
19.7588

■ 15.3729, 17.3336,
19.9887

■ 10.1839, 14.6585,
19.7453

■ 16.8150, 18.0770,
20.0563

■ 10.0082, 14.5680,
19.7370

■ 18.4582, 18.9241,
20.1333

■ 9.9268, 14.5260,
19.7331

■ 20.3099, 19.8787,
20.2200

■ 22.3771, 20.9443,
20.3169

■ 24.6663, 22.1245,
20.4241

■ 27.1838, 23.4223,
20.5420

Harmonies

Analogous

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



12.1150, 15.6838, 15.2387



12.1734, 15.6838, 19.8384



12.9307, 15.6838, 24.3788

Triad

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



12.1734, 15.6838, 19.8384



17.2762, 15.6838, 23.7201



15.5833, 15.6838, 9.8712

Complementary

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



12.1734, 15.6838, 19.8384



10.5399, 8.2123, 6.1846

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.



17.0750, 15.6838, 11.4015



12.1734, 15.6838, 19.8384



18.0981, 15.6838, 19.0574

Square

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



12.1734, 15.6838, 19.8384



15.8423, 15.6838, 26.8794



18.0219, 15.6838, 14.5845



14.0092, 15.6838, 10.0049

Rectangle

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



12.1734, 15.6838, 19.8384



13.7626, 15.6838, 26.5164



18.0219, 15.6838, 14.5845



16.1131, 15.6838, 10.1948

Sweetspot

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



12.1739, 15.6844, 19.8388



27.8204, 31.1894, 35.8067



9.8875, 14.7768, 7.4858



6.4866, 7.3367, 8.4809



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.1739, 15.6844, 19.8388



20.5315, 27.4319, 35.4650



9.5252, 10.3869, 18.9562



3.7833, 4.1553, 4.6929



10.5463, 15.4325, 20.9646



51.3933, 75.2046, 102.1628

Inverse Universe

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



10.5399, 8.2123, 6.1846



17.2193, 12.2850, 7.7862



12.3857, 11.9040, 6.7997



3.6839, 3.7009, 3.8625



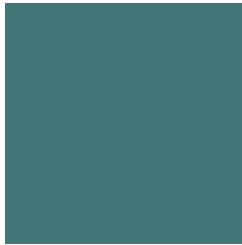
8.0828, 4.1668, 0.3784



39.3885, 20.3055, 1.8435

Previews

White Background



This preview shows how the XYZ color 12.1734, 15.6838, 19.8384 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 12.1734, 15.6838, 19.8384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

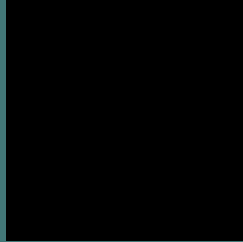
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1734, 15.6838, 19.8384

Background



This preview shows how black text looks on a background with the XYZ color 12.1734, 15.6838, 19.8384.



This preview shows how white text looks on a background with the XYZ color 12.1734, 15.6838,

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

12.1734, 15.6838, 19.8384

Protanopia

15.0048, 15.5090, 17.8255

Deuteranopia

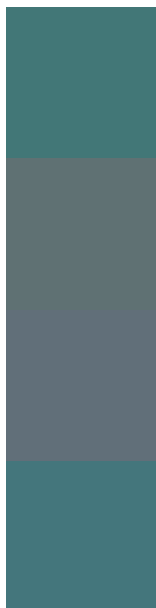
15.8408, 15.5654, 20.5819



Tritanopia

12.7634, 15.7544, 22.4469

Trichromacy



Original Color

12.1734, 15.6838, 19.8384

Protanomaly

13.7190, 15.4810, 18.4847

Deuteranomaly

14.0654, 15.2907, 20.2992

Tritanomaly

12.5004, 15.6410, 21.4290

Monochromacy



Original Color

12.1734, 15.6838, 19.8384

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4454, 14.2151, 16.5558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1734, 15.6838, 19.8384 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(66, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(66, 119, 119)  
}
```

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(66, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.1734, 15.6838, 19.8384 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(66, 119, 119) }
```


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

```
.border{ border-color:rgb(66, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(66, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1734, 15.6838, 19.8384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 119, 119) }
```

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

```
.background{ background-color: rgb(66, 119,  
119) }
```

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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