

Converting Colors

XYZ(12.1193, 14.7225, 15.8640)

Have a look what the booklet for
XYZ(12.1193, 14.7225, 15.8640)
contains.

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Color

**XYZ(12.0739, 14.6899,
15.8347)**

Conversions

Conversions Part 1

Format	Color
Hex	53716A
RGB	83, 113, 106
RGB Percent	33%, 44%, 42%
CMY	0.6745, 0.5569, 0.5843
CMYK	0.27, 0.00, 0.06, 0.56
HSL	166°, 15%, 38%
HSV	166°, 27%, 44%
XYZ	12.0739, 14.6899, 15.8347
YIQ	103.2320, -15.6330, -8.5370

Conversions

Conversions Part 2

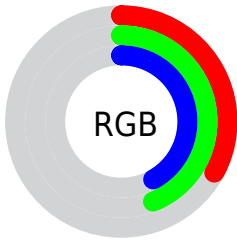
Format	Color
R_{YB}	83, 100, 113
Decimal	5468522
CIE Lab	45.21, -12.47, 0.35
CIE LCh	45, 12.480, 178.378
Yxy	14.6899, 0.2834, 0.3448
Android (android.graphics.Color)	4283658602 (0xFF53716A)
YUV	103.2320, 1.3646, -17.7435
Hunter-Lab	38.3274, -10.8419, 2.3339

Details

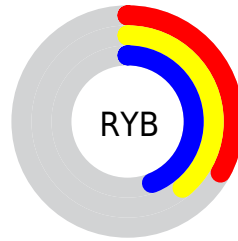
The XYZ color **12.0739, 14.6899, 15.8347** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7493, 10.4357, 11.0685**, and the grayscale version is **12.9533, 13.6279, 14.8408**.

A 20% lighter version of the original color is **29.2138, 34.3311, 36.9851**, and **3.4427, 4.4897, 4.8228** is the 20% darker color. If you saturate the color by 10%, you get **11.0221, 14.1637, 15.0807**, and if you desaturate by 10%, it is **13.2933, 15.3028, 16.6191**.

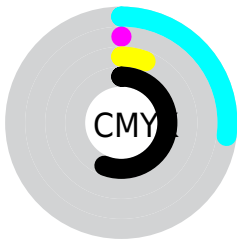
Distribution



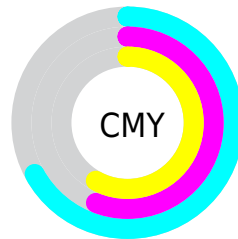
- Red (33%)
- Green (44%)
- Blue (42%)



- Red (33%)
- Yellow (39%)
- Blue (44%)



- Cyan (27%)
- Magenta (0%)
- Yellow (6%)
- Black (56%)



- Cyan (67%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0739, 14.6899, 15.8347 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 12.0739, 14.6899, 15.8347 by changing the saturation by 10% instead.

■ 12.0739, 14.6899,
15.8347

■ 12.0739, 14.6899,
15.8347

■ 198.6538,
221.4815, 240.1766

■ 6.8666, 8.6020,
9.2542

■ 29.2453, 34.3082,
37.0738

■ 3.4244, 4.4825,
4.8083

■ 41.9401, 48.6075,
52.5694

■ 1.3820, 1.9470,
2.0784

■ 57.8615, 66.4127,
71.8738

■ 0.2433, 0.5764,
0.6029

■ 77.3747, 88.1083,
95.4056

■ 0.0000, 0.0000,
0.0000

■ 100.8452,
114.0785, 123.5832

128.6384,

144.7079, 156.8252

161.1194,
180.3807, 195.5502

■ 12.0739, 14.6899,
15.8347

■ 12.0739, 14.6899,
15.8347

■ 11.0221, 14.1637,
15.0807

■ 13.2933, 15.3028,
16.6191

■ 10.1287, 13.7182,
14.3557

■ 14.6864, 16.0044,
17.4336

■ 9.3857, 13.3498,
13.6594

■ 16.2606, 16.7988,
18.2790

■ 8.7835, 13.0536,
12.9911

■ 18.0224, 17.6895,
19.1557

■ 8.3119, 12.8241,
12.3501

■ 19.9779, 18.6795,
20.0643

■ 7.9587, 12.6553,
11.7357

■ 22.1332, 19.7720,
21.0052

■ 7.6967, 12.5330,
11.1463

■ 24.4939, 20.9699,
21.9789

■ 7.6106, 12.4929,
10.9480

■ 27.0654, 22.2760,
22.9857

■ 29.8530, 23.6929,
24.0262

Harmonies

Analogous

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



12.3422, 14.6899, 13.2002



12.0739, 14.6899, 15.8347



12.2906, 14.6899, 18.8462

Triad

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



12.0739, 14.6899, 15.8347



14.9254, 14.6899, 21.5249



15.0272, 14.6899, 11.6331

Complementary

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



12.0739, 14.6899, 15.8347



11.7493, 10.4357, 11.0685

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.



15.7791, 14.6899, 13.4465



12.0739, 14.6899, 15.8347



15.7184, 14.6899, 19.1583

Square

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



12.0739, 14.6899, 15.8347



13.9063, 14.6899, 22.3640



16.0380, 14.6899, 16.1560



14.0185, 14.6899, 10.9667

Rectangle

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



12.0739, 14.6899, 15.8347



12.6872, 14.6899, 20.6228



16.0380, 14.6899, 16.1560



15.3202, 14.6899, 12.1168

Sweetspot

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



12.0743, 14.6905, 15.8350



25.8601, 28.4370, 30.9701



11.7321, 14.6343, 10.3901



5.9068, 6.5393, 7.1202



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.0743, 14.6905, 15.8350



20.3982, 25.6925, 27.4963



11.6510, 13.2371, 17.5645



3.4433, 3.8025, 4.1407



8.6249, 14.1675, 12.3775



42.6210, 70.4370, 59.8487

Inverse Universe

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



11.7493, 10.4357, 11.0685



19.7103, 16.6724, 17.3971



12.0703, 11.5326, 9.7736



3.4135, 3.4131, 3.7040



7.9342, 4.0661, 1.4634



39.2381, 20.1406, 5.7861

Previews

White Background



This preview shows how the XYZ color 12.0739, 14.6899, 15.8347 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 12.0739, 14.6899, 15.8347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

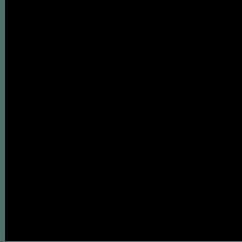
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

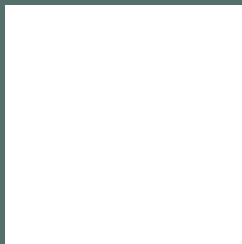
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0739, 14.6899, 15.8347

Background



This preview shows how black text looks on a background with the XYZ color 12.0739, 14.6899, 15.8347.



This preview shows how white text looks on a background with the XYZ color 12.0739, 14.6899,

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

12.0739, 14.6899, 15.8347

Protanopia

13.9827, 14.5824, 14.6481

Deuteranopia

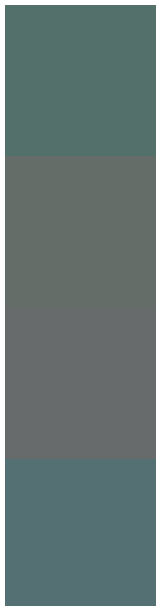
14.7595, 14.4962, 16.2075



Tritanopia

12.9124, 14.7034, 19.9268

Trichromacy



Original Color

12.0739, 14.6899, 15.8347

Protanomaly

13.1724, 14.6259, 14.9608

Deuteranomaly

13.6205, 14.5200, 15.9947

Tritanomaly

12.6350, 14.7574, 18.4022

Monochromacy



Original Color

12.0739, 14.6899, 15.8347

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5803, 14.0017, 15.1362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0739, 14.6899, 15.8347 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(83, 113, 106)` looks like.

```
.text, #text, p{  
    color:rgb(83, 113, 106)  
}
```

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(83, 113, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 113, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.0739, 14.6899, 15.8347 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(83, 113, 106) }
```


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

```
.border{ border-color:rgb(83, 113, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 113, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 113, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 113, 106);  
box-shadow:4px 4px 4px 4px rgb(83, 113,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0739, 14.6899, 15.8347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 113, 106) }
```

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

```
.background{ background-color: rgb(83, 113,  
106) }
```

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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