

Converting Colors

XYZ(12.1325, 15.3282, 17.8788)

Have a look what the booklet for
XYZ(12.1325, 15.3282, 17.8788)
contains.

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Color

**XYZ(12.1660, 15.3707,
17.9484)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7571
RGB	74, 117, 113
RGB Percent	29%, 46%, 44%
CMY	0.7098, 0.5412, 0.5569
CMYK	0.37, 0.00, 0.03, 0.54
HSL	174°, 23%, 37%
HSV	174°, 37%, 46%
XYZ	12.1660, 15.3707, 17.9484
YIQ	103.6870, -24.3440, -10.3600

Conversions

Conversions Part 2

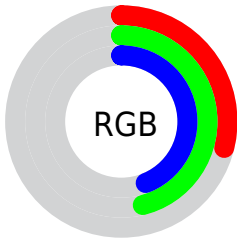
Format	Color
RYB	74, 97, 117
Decimal	4879729
CIELab	46.14, -15.85, -2.53
CIELCh	46, 16.051, 189.057
Yxy	15.3707, 0.2675, 0.3379
Android (android.graphics.Color)	4283069809 (0xFF4A7571)
YUV	103.6870, 4.5913, -26.0355
Hunter-Lab	39.2055, -13.2186, 0.3007

Details

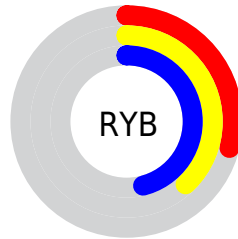
The XYZ color **12.1660, 15.3707, 17.9484** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1606, 9.2300, 8.4018**, and the grayscale version is **13.0677, 13.7482, 14.9718**.

A 20% lighter version of the original color is **29.4369, 35.4525, 40.8888**, and **3.4832, 4.8446, 5.7525** is the 20% darker color. If you saturate the color by 10%, you get **11.2869, 14.9249, 17.5895**, and if you desaturate by 10%, it is **13.2143, 15.9044, 18.3197**.

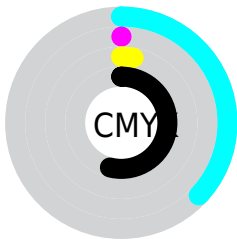
Distribution



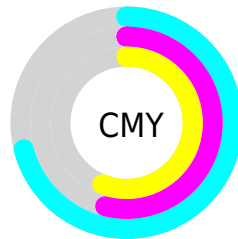
- Red (29%)
- Green (46%)
- Blue (44%)



- Red (29%)
- Yellow (38%)
- Blue (46%)



- Cyan (37%)
- Magenta (0%)
- Yellow (3%)
- Black (54%)



- Cyan (71%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1660, 15.3707, 17.9484 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 12.1660, 15.3707, 17.9484 by changing the saturation by 10% instead.

■ 12.1660, 15.3707,
17.9484

■ 12.1660, 15.3707,
17.9484

199.2487,
225.5991, 252.8064

■ 6.9298, 9.0800,
10.7439

■ 29.4113, 35.5022,
40.7621

■ 3.4642, 4.7934,
5.7829

■ 42.1512, 50.1117,
57.2084

■ 1.4037, 2.1265,
2.6469

■ 58.1230, 68.2630,
77.5724

■ 0.2589, 0.6795,
0.9165

■ 77.6921, 90.3404,
102.2726

■ 0.0000, 0.0000,
0.0000

■ 101.2239,
116.7283, 131.7276

129.0837,

147.8112, 166.3558

161.6368,
183.9733, 206.5759

■ 12.1660, 15.3707,
17.9484

■ 12.1660, 15.3707,
17.9484

■ 11.2869, 14.9249,
17.5895

■ 13.2143, 15.9044,
18.3197

■ 10.5663, 14.5604,
17.2415

■ 14.4391, 16.5286,
18.7028

■ 9.9946, 14.2725,
16.9043

■ 15.8488, 17.2480,
19.0985

■ 9.5602, 14.0554,
16.5773

■ 17.4510, 18.0666,
19.5070

■ 9.2501, 13.9022,
16.2599

■ 19.2527, 18.9879,
19.9287

■ 9.0351, 13.7980,
15.9508

■ 21.2607, 20.0155,
20.3640

■ 8.9690, 13.7661,
15.8513

■ 23.4813, 21.1527,
20.8132

■ 25.9208, 22.4025,
21.2766

■ 28.5850, 23.7682,
21.7544

Harmonies

Analogous

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



12.2910, 15.3707, 14.1887



12.1660, 15.3707, 17.9484



12.6632, 15.3707, 21.9375

Triad

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



12.1660, 15.3707, 17.9484



16.3277, 15.3707, 23.2833



15.5685, 15.3707, 10.6478

Complementary

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



12.1660, 15.3707, 17.9484



11.1606, 9.2300, 8.4018

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.



16.7454, 15.3707, 12.4296



12.1660, 15.3707, 17.9484



17.2024, 15.3707, 19.5715

Square

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



12.1660, 15.3707, 17.9484



15.0268, 15.3707, 25.3181



17.3598, 15.3707, 15.5796



14.1998, 15.3707, 10.3523

Rectangle

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



12.1660, 15.3707, 17.9484



13.3000, 15.3707, 24.0525



17.3598, 15.3707, 15.5796



16.0020, 15.3707, 11.0778

Sweetspot

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



12.1664, 15.3713, 17.9488



27.1934, 30.2794, 33.8745



10.7644, 14.8500, 8.7780



6.1931, 6.9316, 7.7717



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.1664, 15.3713, 17.9488



20.4453, 26.8440, 31.5989



10.5735, 11.8168, 18.5539



3.7693, 4.1497, 4.6192



9.8785, 15.1654, 17.4484



47.9707, 73.8356, 84.1400

Inverse Universe

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



11.1606, 9.2300, 8.4018



18.3685, 14.1486, 11.8753



12.3309, 11.7933, 8.1054



3.6965, 3.7059, 3.9287



8.1455, 4.1919, 0.7084



39.5457, 20.3684, 2.6713

Previews

White Background



This preview shows how the XYZ color 12.1660, 15.3707, 17.9484 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 12.1660, 15.3707, 17.9484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

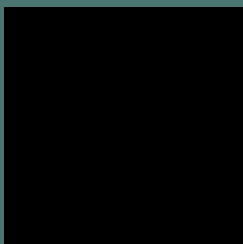
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1660, 15.3707, 17.9484

Background



This preview shows how black text looks on a background with the XYZ color 12.1660, 15.3707, 17.9484.



This preview shows how white text looks on a background with the XYZ color 12.1660, 15.3707,

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

12.1660, 15.3707, 17.9484

Protanopia

14.6249, 15.1873, 16.3480

Deuteranopia

15.4510, 15.2589, 18.3506



Tritanopia

12.8930, 15.3199, 21.6795

Trichromacy



Original Color

12.1660, 15.3707, 17.9484

Protanomaly

13.5359, 15.0913, 16.9514

Deuteranomaly

13.9800, 15.1335, 18.1038

Tritanomaly

12.6771, 15.4078, 20.3950

Monochromacy



Original Color

12.1660, 15.3707, 17.9484

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.6367, 14.3260, 16.0091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1660, 15.3707, 17.9484 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(74, 117, 113)` looks like.

```
.text, #text, p{  
    color:rgb(74, 117, 113)  
}
```

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(74, 117, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 117, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.1660, 15.3707, 17.9484 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(74, 117, 113) }
```


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

```
.border{ border-color:rgb(74, 117, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 117, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 117, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 117, 113);  
box-shadow:4px 4px 4px 4px rgb(74, 117,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1660, 15.3707, 17.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 117, 113) }
```

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

```
.background{ background-color: rgb(74, 117,  
113) }
```

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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