

Converting Colors

XYZ(11.9776, 12.3301, 15.4367)

Have a look what the booklet for
XYZ(11.9776, 12.3301, 15.4367)
contains.

XYZ(12.0062, 12.3726, 15.3910)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0062, 12.3726,
15.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	62626A
RGB	98, 98, 106
RGB Percent	38%, 38%, 42%
CMY	0.6157, 0.6157, 0.5843
CMYK	0.08, 0.08, 0.00, 0.58
HSL	240°, 4%, 40%
HSV	240°, 8%, 42%
XYZ	12.0062, 12.3726, 15.3910
YIQ	98.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

Format	Color
R_{YB}	98, 98, 106
Decimal	6447722
CIE _{Lab}	41.80, 1.73, -4.52
CIE _{LCh}	42, 4.843, 290.906
Yxy	12.3726, 0.3019, 0.3111
Android (android.graphics.Color)	4284637802 (0xFF62626A)
YUV	98.9120, 3.4944, -0.7998
Hunter-Lab	35.1747, -0.6282, -1.3206

Details

The XYZ color **12.0062, 12.3726, 15.3910** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3026, 14.2541, 13.6057**, and the grayscale version is **11.8298, 12.4459, 13.5535**.

A 20% lighter version of the original color is **29.2277, 30.3188, 36.2099**, and **3.4336, 3.5018, 4.6326** is the 20% darker color. If you saturate the color by 10%, you get **10.0105, 9.9681, 15.0323**, and if you desaturate by 10%, it is **14.2854, 15.1189, 15.8012**.

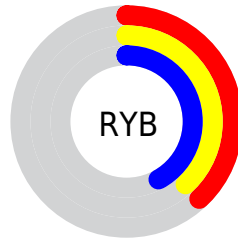
Distribution



Red (38%)

Green (38%)

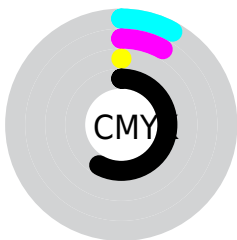
Blue (42%)



Red (38%)

Yellow (38%)

Blue (42%)

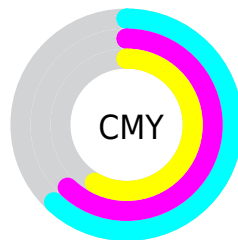


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (58%)



Cyan (62%)

Magenta (62%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0062, 12.3726, 15.3910 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 12.0062, 12.3726, 15.3910 by changing the saturation by 10% instead.

■ 12.0062, 12.3726,
15.3910

■ 12.0062, 12.3726,
15.3910

198.2154,
206.8566, 237.4425

■ 6.8201, 6.9980,
8.9446

■ 29.1232, 30.1719,
36.2896

■ 3.3952, 3.4608,
4.6087

■ 41.7848, 43.3654,
51.5789

■ 1.3660, 1.3768,
1.9649

■ 57.6689, 59.9340,
70.6529

■ 0.2318, 0.1995,
0.5336

■ 77.1410, 80.2620,
93.9302

■ 0.0000, 0.0000,
0.0000

100.5663,
104.7339, 121.8292

128.3102,

133.7340, 154.7686

160.7382,
167.6468, 193.1669

■ 12.0062, 12.3726,
15.3910

■ 12.0062, 12.3726,
15.3910

■ 10.0105, 9.9681,
15.0323

■ 14.2854, 15.1189,
15.8012

■ 8.2863, 7.8906,
14.7221

■ 16.8576, 18.2180,
16.2638

■ 6.8222, 6.1264,
14.4588

■ 19.7329, 21.6824,
16.7809

■ 5.6054, 4.6603,
14.2399

■ 22.9207, 25.5234,
17.3543

■ 4.6225, 3.4760,
14.0631

■ 26.4302, 29.7519,
17.9855

■ 3.8583, 2.5552,
13.9257

■ 30.2700, 34.3784,
18.6761

■ 3.2963, 1.8779,
13.8246

■ 34.4484, 39.4128,
19.4276

■ 2.9172, 1.4210,
13.7564

■ 38.9734, 44.8648,
20.2415

■ 2.6625, 1.1141,
13.7106

■ 43.8529, 50.7438,
21.1191

Harmonies

Analogous

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



11.6517, 12.3726, 15.5056



12.0062, 12.3726, 15.3910



12.3001, 12.3726, 14.7486

Triad

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



12.0062, 12.3726, 15.3910



12.1976, 12.3726, 12.0041



11.0955, 12.3726, 13.1636

Complementary

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



12.0062, 12.3726, 15.3910



13.3026, 14.2541, 13.6057

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.



11.2355, 12.3726, 12.2707



12.0062, 12.3726, 15.3910



11.8685, 12.3726, 11.6238

Square

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



12.0062, 12.3726, 15.3910



12.4121, 12.3726, 12.7829



11.5168, 12.3726, 11.7189



11.1307, 12.3726, 14.1847

Rectangle

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



12.0062, 12.3726, 15.3910



12.4198, 12.3726, 14.1244



11.5168, 12.3726, 11.7189



11.1235, 12.3726, 12.8393

Sweetspot

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



12.0066, 12.3731, 15.3913



23.2052, 24.2857, 27.3956



12.7858, 13.9428, 15.6168



5.4522, 5.7087, 6.4204



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.0066, 12.3731, 15.3913



20.4408, 20.9549, 26.8984



12.4338, 12.5932, 15.4112



2.9484, 3.0252, 3.8634



3.2287, 1.2917, 17.0014



16.4512, 6.5810, 86.6294

Inverse Universe

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



12.5164, 12.6817, 13.3439



21.5256, 21.6114, 22.5424



12.8535, 14.0227, 13.5848



3.0998, 3.1168, 3.2557



7.3766, 3.8028, 0.3456



37.5866, 19.3766, 1.7599

Previews

White Background



This preview shows how the XYZ color 12.0062, 12.3726, 15.3910 looks on a white background.

Color Contrast Check

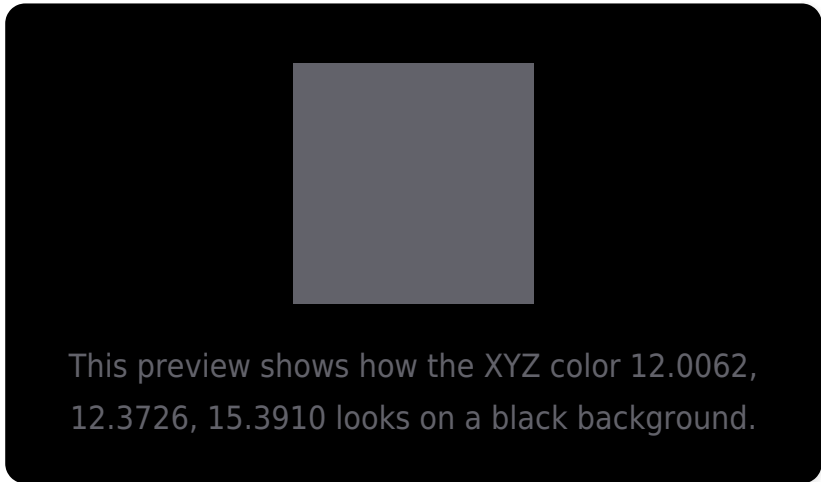
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

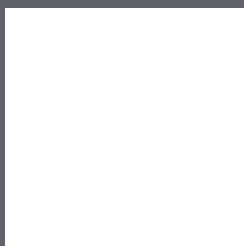
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0062, 12.3726, 15.3910

Background



This preview shows how black text looks on a background with the XYZ color 12.0062, 12.3726, 15.3910.



This preview shows how white text looks on a background with the XYZ color 12.0062, 12.3726,

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

12.0062, 12.3726, 15.3910

Protanopia

12.0062, 12.3726, 15.3910

Deuteranopia

12.6101, 12.4096, 15.3663



Tritanopia

12.0062, 12.3726, 15.3910

Trichromacy



Original Color

12.0062, 12.3726, 15.3910

Protanomaly

12.0062, 12.3726, 15.3910

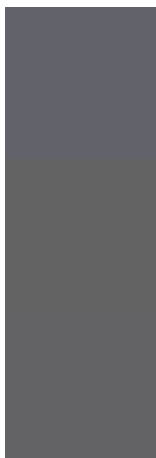
Deuteranomaly

12.3557, 12.4148, 15.3807

Tritanomaly

12.0062, 12.3726, 15.3910

Monochromacy



Original Color

12.0062, 12.3726, 15.3910

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0057, 12.5356, 14.3572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0062, 12.3726, 15.3910 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(98, 98, 106) looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 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(98, 98, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.0062, 12.3726, 15.3910 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(98, 98, 106) }
```


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

```
.border{ border-color:rgb(98, 98, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 98, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 98, 106);  
box-shadow:4px 4px 4px 4px rgb(98, 98,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0062, 12.3726, 15.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 106) }
```

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

```
.background{ background-color: rgb(98, 98,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor