

Converting Colors

XYZ(11.8299, 12.2223, 15.4262)

Have a look what the booklet for
XYZ(11.8299, 12.2223, 15.4262)
contains.

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Color

**XYZ(11.8990, 12.3174,
15.3860)**

Conversions

Conversions Part 1

Format	Color
Hex	61626A
RGB	97, 98, 106
RGB Percent	38%, 38%, 42%
CMY	0.6196, 0.6157, 0.5843
CMYK	0.08, 0.08, 0.00, 0.58
HSL	233°, 4%, 40%
HSV	233°, 8%, 42%
XYZ	11.8990, 12.3174, 15.3860
YIQ	98.6130, -3.1640, 2.2760

Conversions

Conversions Part 2

Format	Color
R_{YB}	97, 98, 106
Decimal	6382186
CIE _{Lab}	41.72, 1.35, -4.66
CIE _{LCh}	42, 4.853, 286.155
Yxy	12.3174, 0.3005, 0.3110
Android (android.graphics.Color)	4284572266 (0xFF61626A)
YUV	98.6130, 3.6418, -1.4146
Hunter-Lab	35.0962, -0.8996, -1.4252

Details

The XYZ color **11.8990, 12.3174, 15.3860** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1531, 14.0303, 13.3244**, and the grayscale version is **11.7546, 12.3667, 13.4673**.

A 20% lighter version of the original color is **29.0460, 30.2251, 36.2014**, and **3.3826, 3.4756, 4.6302** is the 20% darker color. If you saturate the color by 10%, you get **10.0140, 10.1135, 15.0602**, and if you desaturate by 10%, it is **14.0394, 14.8076, 15.7540**.

Distribution



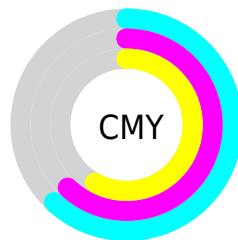
- Red (38%)
- Green (38%)
- Blue (42%)



- Red (38%)
- Yellow (38%)
- Blue (42%)



- Cyan (8%)
- Magenta (8%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (62%)
- Yellow (58%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8990, 12.3174, 15.3860 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 11.8990, 12.3174, 15.3860 by changing the saturation by 10% instead.

■ 11.8990, 12.3174,
15.3860

■ 11.8990, 12.3174,
15.3860

197.5191,
206.4954, 237.4115

■ 6.7466, 6.9602,
8.9411

■ 28.9295, 30.0719,
36.2808

■ 3.3491, 3.4372,
4.6065

■ 41.5383, 43.2380,
51.5677

■ 1.3409, 1.3640,
1.9636

■ 57.3634, 59.7758,
70.6391

■ 0.2135, 0.1900,
0.5328

■ 76.7700, 80.0698,
93.9135

■ 0.0000, 0.0000,
0.0000

100.1235,
104.5044, 121.8094

127.7893,

133.4639, 154.7453

160.1327,
167.3328, 193.1399

■ 11.8990, 12.3174,
15.3860

■ 11.8990, 12.3174,
15.3860

■ 10.0140, 10.1135,
15.0602

■ 14.0394, 14.8076,
15.7540

■ 8.3739, 8.1843,
14.7742

■ 16.4432, 17.5924,
16.1649

■ 6.9689, 6.5193,
14.5269

■ 19.1193, 20.6815,
16.6201

■ 5.7880, 5.1070,
14.3165

■ 22.0759, 24.0838,
17.1209

■ 4.8198, 3.9351,
14.1414

■ 25.3209, 27.8077,
17.6687

■ 4.0513, 2.9899,
13.9994

■ 28.8618, 31.8614,
18.2645

■ 3.4685, 2.2567,
13.8886

■ 32.7059, 36.2528,
18.9095

■ 3.0553, 1.7188,
13.8066

■ 36.8601, 40.9894,
19.6049

■ 2.7683, 1.3444,
13.7494

■ 41.3312, 46.0787,
20.3515

Harmonies

Analogous

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



11.5441, 12.3174, 15.4085



11.8990, 12.3174, 15.3860



12.2085, 12.3174, 14.8173

Triad

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



11.8990, 12.3174, 15.3860



12.1884, 12.3174, 12.0455



11.0546, 12.3174, 12.9475

Complementary

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



11.8990, 12.3174, 15.3860



13.1531, 14.0303, 13.3244

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.



11.2201, 12.3174, 12.0977



11.8990, 12.3174, 15.3860



11.8720, 12.3174, 11.5951

Square

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



11.8990, 12.3174, 15.3860



12.3778, 12.3174, 12.8729



11.5177, 12.3174, 11.6137



11.0615, 12.3174, 13.9650

Rectangle

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



11.8990, 12.3174, 15.3860



12.3453, 12.3174, 14.2206



11.5177, 12.3174, 11.6137



11.0918, 12.3174, 12.6338

Sweetspot

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



11.8994, 12.3179, 15.3863



22.8578, 23.9174, 27.3428



12.6313, 13.8686, 15.3625



5.2946, 5.5330, 6.3948



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.



11.8994, 12.3179, 15.3863



20.2601, 20.8907, 26.8955



12.1819, 12.3253, 15.3728



2.9731, 3.0744, 3.8716



3.3732, 1.5806, 17.0496



16.8484, 7.3754, 86.7618

Inverse Universe

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



12.4235, 12.4957, 13.3130



21.3618, 21.2680, 22.5365



12.8539, 14.0284, 13.3398



3.1122, 3.1218, 3.3212



7.4495, 3.8319, 0.7296



37.7871, 19.4568, 2.8156

Previews

White Background



This preview shows how the XYZ color 11.8990, 12.3174, 15.3860 looks on a white background.

Color Contrast Check

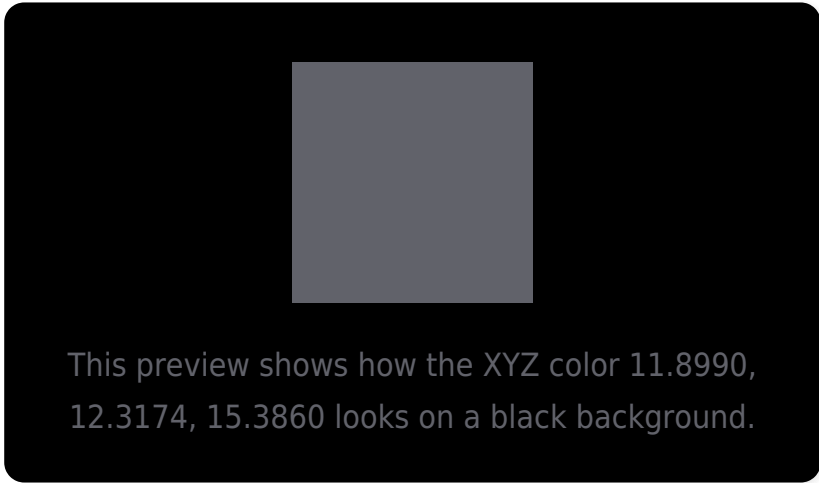
Large Text (above 18pt) WCAG AA ✓ Pass

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

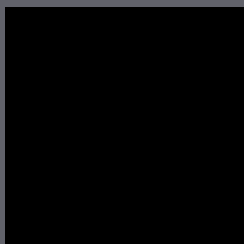
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

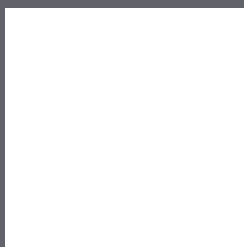
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8990, 12.3174, 15.3860

Background



This preview shows how black text looks on a background with the XYZ color 11.8990, 12.3174, 15.3860.



This preview shows how white text looks on a background with the XYZ color 11.8990, 12.3174,

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

11.8990, 12.3174, 15.3860

Protanopia

12.0062, 12.3726, 15.3910

Deuteranopia

12.4933, 12.3494, 15.3609



Tritanopia

11.8990, 12.3174, 15.3860

Trichromacy



Original Color

11.8990, 12.3174, 15.3860

Protanomaly

12.0062, 12.3726, 15.3910

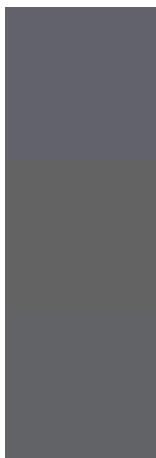
Deuteranomaly

12.2430, 12.3567, 15.3755

Tritanomaly

11.8990, 12.3174, 15.3860

Monochromacy



Original Color

11.8990, 12.3174, 15.3860

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8971, 12.4797, 14.3521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8990, 12.3174, 15.3860 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(97, 98, 106) looks like.

```
.text, #text, p{  
    color:rgb(97, 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(97, 98, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 98, 106) }
```

Border

The CSS property to change the border of an element to XYZ 11.8990, 12.3174, 15.3860 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(97, 98, 106) }
```


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

```
.border{ border-color:rgb(97, 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(97, 98, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 98, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 98, 106);  
box-shadow:4px 4px 4px 4px rgb(97, 98,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8990, 12.3174, 15.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 98, 106) }
```

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

```
.background{ background-color: rgb(97, 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](#).

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