

Converting Colors

XYZ(12.8388, 15.2107, 7.1316)

Have a look what the booklet for
XYZ(12.8388, 15.2107, 7.1316)
contains.

XYZ(12.8939, 15.3062, 7.1253)	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(12.8939, 15.3062,
7.1253)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7140
RGB	107, 113, 64
RGB Percent	42%, 44%, 25%
CMY	0.5804, 0.5569, 0.7490
CMYK	0.05, 0.00, 0.43, 0.56
HSL	67°, 28%, 35%
HSV	67°, 43%, 44%
XYZ	12.8939, 15.3062, 7.1253
YIQ	105.6200, 12.1530, -16.5110

Conversions

Conversions Part 2

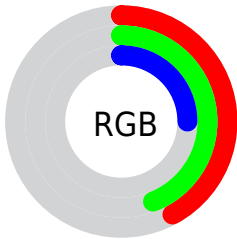
Format	Color
RYB	64, 113, 70
Decimal	7041344
CIELab	46.05, -10.55, 26.39
CIElCh	46, 28.418, 111.787
Yxy	15.3062, 0.3650, 0.4333
Android (android.graphics.Color)	4285231424 (0xFF6B7140)
YUV	105.6200, -20.5187, 1.2103
Hunter-Lab	39.1231, -9.6369, 16.5880

Details

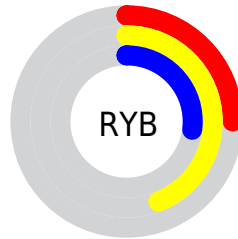
The XYZ color **12.8939, 15.3062, 7.1253** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.3404, 6.1615, 16.4261**, and the grayscale version is **13.6479, 14.3587, 15.6366**.

A 20% lighter version of the original color is **30.7338, 35.4734, 20.8500**, and **3.7528, 4.7272, 1.3307** is the 20% darker color. If you saturate the color by 10%, you get **12.4394, 15.1059, 5.5923**, and if you desaturate by 10%, it is **13.4170, 15.5354, 9.0024**.

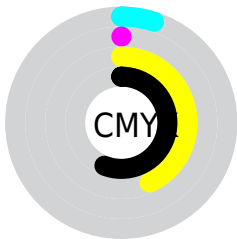
Distribution



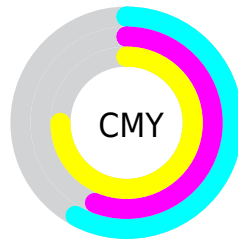
- Red (42%)
- Green (44%)
- Blue (25%)



- Red (25%)
- Yellow (44%)
- Blue (27%)



- Cyan (5%)
- Magenta (0%)
- Yellow (43%)
- Black (56%)



- Cyan (58%)
- Magenta (56%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8939, 15.3062, 7.1253 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 12.8939, 15.3062, 7.1253 by changing the saturation by 10% instead.

■ 12.8939, 15.3062,
7.1253

■ 12.8939, 15.3062,
7.1253

■ 203.8879,
225.2122, 178.3711

■ 7.4320, 9.0346,
3.4610

■ 30.7160, 35.3895,
20.7420

■ 3.7824, 4.7637,
1.3345

■ 43.8069, 49.9699,
31.5314

■ 1.5798, 2.1093,
0.0899

■ 60.1715, 68.0887,
45.5329

■ 0.3792, 0.6699,
0.0000

■ 80.1752, 90.1302,
63.1651

■ 0.0000, 0.0000,
0.0000

■ 104.1834,
116.4790, 84.8465

■ 132.5613,

147.5193, 110.9956

165.6744,
183.6355, 142.0309

■ 12.8939, 15.3062,
7.1253

■ 12.8939, 15.3062,
7.1253

■ 12.4394, 15.1059,
5.5923

■ 13.4170, 15.5354,
9.0024

■ 12.0485, 14.9307,
4.3816

■ 14.0112, 15.7927,
11.2416

■ 11.7170, 14.7797,
3.4702

■ 14.6803, 16.0804,
13.8612

■ 11.4400, 14.6507,
2.8321

■ 15.4274, 16.3995,
16.8776

■ 11.2106, 14.5411,
2.4312

■ 16.2555, 16.7514,
20.3063

■ 11.0684, 14.4725,
2.2101

■ 17.1675, 17.1371,
24.1622

■ 18.1659, 17.5578,
28.4593

■ 19.2533, 18.0143,
33.2108

■ 20.4323, 18.5078,
38.4297

Harmonies

Analogous

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



15.2207, 15.3062, 6.6741



12.8939, 15.3062, 7.1253



11.2002, 15.3062, 9.7264

Triad

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



12.8939, 15.3062, 7.1253



11.8639, 15.3062, 29.4303



19.6374, 15.3062, 18.6360

Complementary

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



12.8939, 15.3062, 7.1253



7.3404, 6.1615, 16.4261

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.



18.5044, 15.3062, 26.3052



12.8939, 15.3062, 7.1253



13.8956, 15.3062, 33.5693

Square

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



12.8939, 15.3062, 7.1253



10.6529, 15.3062, 22.0971



16.3380, 15.3062, 32.2901



19.2930, 15.3062, 12.2066

Rectangle

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



12.8939, 15.3062, 7.1253



10.5727, 15.3062, 12.8499



16.3380, 15.3062, 32.2901



19.4126, 15.3062, 21.1710

Sweetspot

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



12.8943, 15.3069, 7.1256



26.2882, 28.7941, 24.8274



9.9085, 8.2262, 5.9163



6.0281, 6.6370, 5.5378



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.



12.8943, 15.3069, 7.1256



22.2717, 27.0474, 10.0067



10.3793, 14.0104, 7.0079



3.6036, 3.8965, 3.6355



12.5437, 16.4102, 2.5064



61.9968, 81.4945, 12.4624

Inverse Universe

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



7.3404, 6.1615, 16.4261



10.9335, 8.3640, 29.0136



9.4529, 7.2506, 16.5250



3.2521, 3.3183, 4.2233



3.5730, 1.4513, 17.8134



17.3869, 7.0177, 88.7173

Previews

White Background



This preview shows how the XYZ color 12.8939, 15.3062, 7.1253 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 12.8939, 15.3062, 7.1253 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

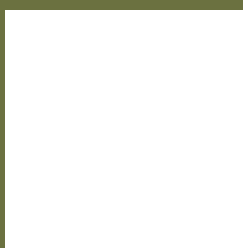
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8939, 15.3062, 7.1253

Background



This preview shows how black text looks on a background with the XYZ color 12.8939, 15.3062, 7.1253.



This preview shows how white text looks on a background with the XYZ color 12.8939, 15.3062,

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

12.8939, 15.3062, 7.1253

Protanopia

14.1116, 15.2892, 6.9100

Deuteranopia

15.4494, 15.1995, 7.2738



Tritanopia

15.1623, 15.2639, 18.3667

Trichromacy



Original Color

12.8939, 15.3062, 7.1253

Protanomaly

13.5434, 15.1556, 6.9141

Deuteranomaly

14.3802, 15.1080, 7.1592

Tritanomaly

14.1355, 15.1613, 13.2477

Monochromacy



Original Color

12.8939, 15.3062, 7.1253

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3008, 14.7568, 12.0448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8939, 15.3062, 7.1253 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(107, 113, 64)` looks like.

```
.text, #text, p{  
    color:rgb(107, 113, 64)  
}
```

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(107, 113, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 113, 64) }
```

Border

The CSS property to change the border of an element to XYZ 12.8939, 15.3062, 7.1253 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(107, 113, 64) }
```


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

```
.border{ border-color:rgb(107, 113, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 113, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 113, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 113, 64);  
box-shadow:4px 4px 4px 4px rgb(107, 113,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8939, 15.3062, 7.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 113, 64) }
```

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

```
.background{ background-color: rgb(107,  
113, 64) }
```

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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