

Converting Colors

XYZ(12.5737, 15.0721, 10.2291)

Have a look what the booklet for
XYZ(12.5737, 15.0721, 10.2291)
contains.

XYZ(12.5737, 15.0721, 10.2291)	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(12.5737, 15.0721,
10.2291)**

Conversions

Conversions Part 1

Format	Color
Hex	637152
RGB	99, 113, 82
RGB Percent	39%, 44%, 32%
CMY	0.6118, 0.5569, 0.6784
CMYK	0.12, 0.00, 0.27, 0.56
HSL	87°, 16%, 38%
HSV	87°, 27%, 44%
XYZ	12.5737, 15.0721, 10.2291
YIQ	105.2800, 1.6070, -12.6090

Conversions

Conversions Part 2

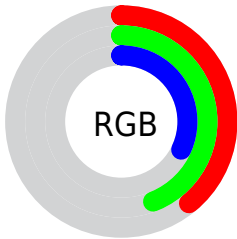
Format	Color
RYB	82, 113, 96
Decimal	6517074
CIELab	45.73, -11.32, 15.52
CIElCh	46, 19.208, 126.116
Yxy	15.0721, 0.3320, 0.3979
Android (android.graphics.Color)	4284707154 (0xFF637152)
YUV	105.2800, -11.4770, -5.5076
Hunter-Lab	38.8228, -10.1284, 11.5541

Details

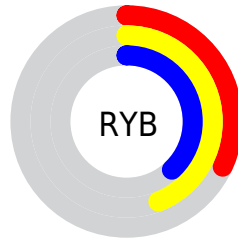
The XYZ color **12.5737, 15.0721, 10.2291** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.8224, 9.7140, 16.9282**, and the grayscale version is **13.5334, 14.2382, 15.5054**.

A 20% lighter version of the original color is **30.1977, 35.0602, 27.0055**, and **3.6404, 4.6442, 2.4548** is the 20% darker color. If you saturate the color by 10%, you get **11.6387, 14.6362, 8.1226**, and if you desaturate by 10%, it is **13.6156, 15.5558, 12.7110**.

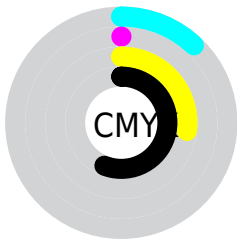
Distribution



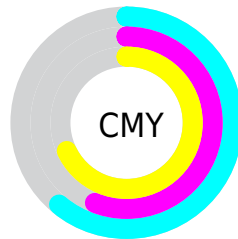
- Red (39%)
- Green (44%)
- Blue (32%)



- Red (32%)
- Yellow (44%)
- Blue (38%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (56%)



- Cyan (61%)
- Magenta (56%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5737, 15.0721, 10.2291 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 12.5737, 15.0721, 10.2291 by changing the saturation by 10% instead.

■ 12.5737, 15.0721,
10.2291

■ 12.5737, 15.0721,
10.2291

201.8605,
223.8022, 202.8433

■ 7.2106, 8.8700,
5.4435

■ 30.1436, 34.9796,
26.8401

■ 3.6417, 4.6565,
2.4465

■ 43.0812, 49.4538,
39.5025

■ 1.5015, 2.0472,
0.8116

■ 59.2743, 67.4542,
55.6277

■ 0.3268, 0.6347,
0.0000

■ 79.0883, 89.3651,
75.6342

■ 0.0000, 0.0000,
0.0000

■ 102.8886,
115.5710, 99.9404

131.0405,

146.4562, 128.9650

163.9093,
182.4051, 163.1264

■ 12.5737, 15.0721,
10.2291

■ 12.5737, 15.0721,
10.2291

■ 11.6387, 14.6362,
8.1226

■ 13.6156, 15.5558,
12.7110

■ 10.8052, 14.2444,
6.3723

■ 14.7671, 16.0871,
15.5842

■ 10.0693, 13.8956,
4.9585

■ 16.0322, 16.6679,
18.8653

■ 9.4262, 13.5877,
3.8597

■ 17.4144, 17.2999,
22.5691

■ 8.8706, 13.3186,
3.0514

■ 18.9169, 17.9844,
26.7102

■ 8.3963, 13.0857,
2.5058

■ 20.5429, 18.7227,
31.3020

■ 7.9887, 12.8830,
2.1489

■ 22.2955, 19.5161,
36.3577

■ 7.8898, 12.8338,
2.0613

■ 24.1775, 20.3658,
41.8897

■ 26.1918, 21.2731,
47.9102

Harmonies

Analogous

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



13.9976, 15.0721, 9.0671



12.5737, 15.0721, 10.2291



11.6720, 15.0721, 13.0701

Triad

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



12.5737, 15.0721, 10.2291



13.1059, 15.0721, 25.9492



17.6369, 15.0721, 15.4824

Complementary

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



12.5737, 15.0721, 10.2291



10.8224, 9.7140, 16.9282

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.



17.3536, 15.0721, 20.2775



12.5737, 15.0721, 10.2291



14.6587, 15.0721, 26.9252

Square

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



12.5737, 15.0721, 10.2291



11.9628, 15.0721, 22.2247



16.2331, 15.0721, 24.6855



16.9807, 15.0721, 11.7113

Rectangle

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



12.5737, 15.0721, 10.2291



11.4480, 15.0721, 15.8165



16.2331, 15.0721, 24.6855



17.6490, 15.0721, 17.0201

Sweetspot

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



12.5741, 15.0728, 10.2294



26.2740, 28.7280, 27.4782



12.5119, 12.4770, 9.7317



6.0153, 6.6157, 6.2004



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.



12.5741, 15.0728, 10.2294



21.4137, 26.4757, 15.8094



11.0446, 14.2843, 10.1578



3.5035, 3.8449, 3.6308



8.9263, 14.5454, 2.3371



43.4614, 71.9392, 11.5950

Inverse Universe

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



10.8224, 9.7140, 16.9282



17.7125, 15.1511, 29.9664



12.6108, 10.6360, 17.0119



3.3474, 3.3674, 4.2278



4.9095, 2.1404, 17.8760



23.4890, 10.1634, 89.0029

Previews

White Background



This preview shows how the XYZ color 12.5737, 15.0721, 10.2291 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 12.5737, 15.0721, 10.2291 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

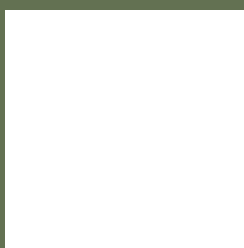
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5737, 15.0721, 10.2291

Background



This preview shows how black text looks on a background with the XYZ color 12.5737, 15.0721, 10.2291.



This preview shows how white text looks on a background with the XYZ color 12.5737, 15.0721,

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

12.5737, 15.0721, 10.2291

Protanopia

14.0130, 15.0173, 9.7495

Deuteranopia

15.3029, 15.0527, 10.4864



Tritanopia

14.2824, 14.9525, 18.9630

Trichromacy



Original Color

12.5737, 15.0721, 10.2291

Protanomaly

13.4915, 15.0609, 9.9806

Deuteranomaly

14.1551, 14.9218, 10.3178

Tritanomaly

13.5541, 14.9761, 15.2730

Monochromacy



Original Color

12.5737, 15.0721, 10.2291

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1137, 14.4718, 13.4114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5737, 15.0721, 10.2291 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(99, 113, 82) looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 82)  
}
```

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(99, 113, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.5737, 15.0721, 10.2291 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(99, 113, 82) }
```


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

```
.border{ border-color:rgb(99, 113, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 82);  
box-shadow:4px 4px 4px 4px rgb(99, 113,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5737, 15.0721, 10.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 82) }
```

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

```
.background{ background-color: rgb(99, 113,  
82) }
```

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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