

Converting Colors

XYZ(12.4035, 14.3874, 10.8010)

Have a look what the booklet for
XYZ(12.4035, 14.3874, 10.8010)
contains.

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Color

**XYZ(12.3639, 14.3025,
10.7033)**

Conversions

Conversions Part 1

Format	Color
Hex	646D55
RGB	100, 109, 85
RGB Percent	39%, 43%, 33%
CMY	0.6078, 0.5725, 0.6667
CMYK	0.08, 0.00, 0.22, 0.57
HSL	83°, 12%, 38%
HSV	83°, 22%, 43%
XYZ	12.3639, 14.3025, 10.7033
YIQ	103.5730, 2.3400, -9.3720

Conversions

Conversions Part 2

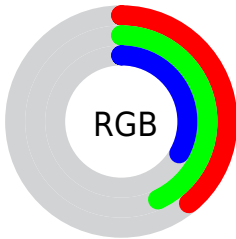
Format	Color
RYB	85, 109, 94
Decimal	6581589
CIELab	44.66, -8.14, 12.29
CIElCh	45, 14.740, 123.513
Yxy	14.3025, 0.3309, 0.3827
Android (android.graphics.Color)	4284771669 (0xFF646D55)
YUV	103.5730, -9.1565, -3.1335
Hunter-Lab	37.8186, -7.8263, 9.6930

Details

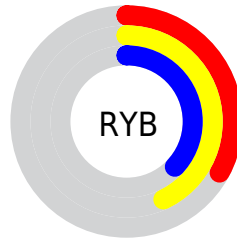
The XYZ color **12.3639, 14.3025, 10.7033** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.6254, 9.9811, 15.8353**, and the grayscale version is **13.0677, 13.7482, 14.9718**.

A 20% lighter version of the original color is **29.7065, 33.4702, 27.8164**, and **3.5738, 4.3553, 2.6598** is the 20% darker color. If you saturate the color by 10%, you get **11.5230, 13.9157, 8.5750**, and if you desaturate by 10%, it is **13.2950, 14.7290, 13.1847**.

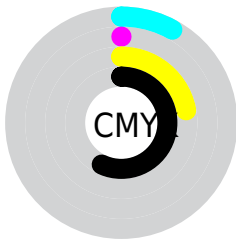
Distribution



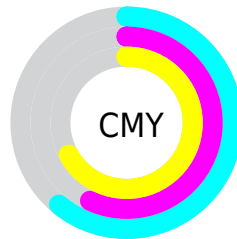
- Red (39%)
- Green (43%)
- Blue (33%)



- Red (33%)
- Yellow (43%)
- Blue (37%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (57%)



- Cyan (61%)
- Magenta (57%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3639, 14.3025, 10.7033 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 12.3639, 14.3025, 10.7033 by changing the saturation by 10% instead.

■ 12.3639, 14.3025,
10.7033

■ 12.3639, 14.3025,
10.7033

200.5208,
219.1047, 206.2844

■ 7.0660, 8.3314,
5.7560

■ 29.7673, 33.6248,
27.7384

■ 3.5501, 4.3077,
2.6309

■ 42.6035, 47.7448,
40.6634

■ 1.4509, 1.8471,
0.9084

■ 58.6831, 65.3498,
57.0846

■ 0.2921, 0.5163,
0.0000

■ 78.3716, 86.8243,
77.4207

■ 0.0000, 0.0000,
0.0000

■ 102.0343,
112.5526, 102.0902

130.0365,

142.9192, 131.5116

162.7435,
178.3084, 166.1035

■ 12.3639, 14.3025,
10.7033

■ 12.3639, 14.3025,
10.7033

■ 11.5230, 13.9157,
8.5750

■ 13.2950, 14.7290,
13.1847

■ 10.7679, 13.5653,
6.7829

■ 14.3182, 15.1945,
16.0334

■ 10.0951, 13.2504,
5.3099

■ 15.4371, 15.7010,
19.2637

■ 9.5009, 12.9694,
4.1372

■ 16.6545, 16.2495,
22.8891

■ 8.9809, 12.7206,
3.2440

■ 17.9730, 16.8414,
26.9223

■ 8.5304, 12.5019,
2.6068

■ 19.3954, 17.4775,
31.3756

■ 8.1434, 12.3111,
2.1969

■ 20.9240, 18.1590,
36.2606

■ 7.8613, 12.1712,
1.9349

■ 22.5614, 18.8869,
41.5884

■ 24.3097, 19.6620,
47.3700

Harmonies

Analogous

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



13.4537, 14.3025, 9.8825



12.3639, 14.3025, 10.7033



11.6386, 14.3025, 12.8173

Triad

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



12.3639, 14.3025, 10.7033



12.5943, 14.3025, 22.2404



16.0202, 14.3025, 15.1730

Complementary

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



12.3639, 14.3025, 10.7033



10.6254, 9.9811, 15.8353

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.



15.7573, 14.3025, 18.6978



12.3639, 14.3025, 10.7033



13.7354, 14.3025, 23.1123

Square

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



12.3639, 14.3025, 10.7033



11.7660, 14.3025, 19.4983



14.9033, 14.3025, 21.7327



15.6023, 14.3025, 12.2133

Rectangle

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



12.3639, 14.3025, 10.7033



11.4354, 14.3025, 14.8409



14.9033, 14.3025, 21.7327



16.0086, 14.3025, 16.3287

Sweetspot

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



12.3643, 14.3031, 10.7036



24.6685, 26.7663, 25.9856



11.9318, 11.8774, 10.2582



5.7255, 6.2219, 6.0053



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.3643, 14.3031, 10.7036



21.4113, 25.2761, 17.2967



11.1522, 13.6783, 10.6469



3.2285, 3.5296, 3.3286



9.1672, 14.2211, 2.2618



45.7265, 71.9550, 11.4787

Inverse Universe

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



10.6254, 9.9811, 15.8353



17.7530, 16.1820, 28.0950



11.9294, 10.6534, 15.8963



3.0457, 3.0753, 3.8679



4.2670, 1.8267, 17.0500



20.8458, 8.8460, 86.8350

Previews

White Background



This preview shows how the XYZ color 12.3639, 14.3025, 10.7033 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 12.3639, 14.3025, 10.7033 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

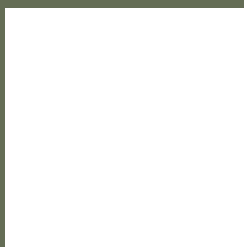
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3639, 14.3025, 10.7033

Background



This preview shows how black text looks on a background with the XYZ color 12.3639, 14.3025, 10.7033.



This preview shows how white text looks on a background with the XYZ color 12.3639, 14.3025,

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

12.3639, 14.3025, 10.7033

Protanopia

13.2950, 14.1724, 10.2184

Deuteranopia

14.4000, 14.1331, 10.9858



Tritanopia

13.7411, 14.2385, 17.6468

Trichromacy



Original Color

12.3639, 14.3025, 10.7033

Protanomaly

12.9386, 14.1363, 10.4341

Deuteranomaly

13.5695, 14.1499, 10.8201

Tritanomaly

13.1957, 14.1709, 14.8717

Monochromacy



Original Color

12.3639, 14.3025, 10.7033

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9052, 14.0547, 13.3419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3639, 14.3025, 10.7033 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(100, 109, 85)` looks like.

```
.text, #text, p{  
    color:rgb(100, 109, 85)  
}
```

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(100, 109, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 109, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.3639, 14.3025, 10.7033 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(100, 109, 85) }
```


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

```
.border{ border-color:rgb(100, 109, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 109, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 109, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 109, 85);  
box-shadow:4px 4px 4px 4px rgb(100, 109,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3639, 14.3025, 10.7033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 109, 85) }
```

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

```
.background{ background-color: rgb(100,  
109, 85) }
```

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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