

Converting Colors

XYZ(12.4459, 12.7875, 15.5445)

Have a look what the booklet for
XYZ(12.4459, 12.7875, 15.5445)
contains.

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Color

**XYZ(12.4302, 12.7310,
15.4379)**

Conversions

Conversions Part 1

Format	Color
Hex	65636A
RGB	101, 99, 106
RGB Percent	40%, 39%, 42%
CMY	0.6039, 0.6118, 0.5843
CMYK	0.05, 0.07, 0.00, 0.58
HSL	257°, 3%, 40%
HSV	257°, 7%, 42%
XYZ	12.4302, 12.7310, 15.4379
YIQ	100.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

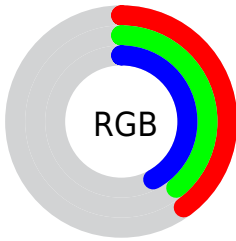
Format	Color
R_{YB}	101, 99, 106
Decimal	6644586
CIE Lab	42.36, 2.26, -3.68
CIE LCh	42, 4.318, 301.627
Yxy	12.7310, 0.3062, 0.3136
Android (android.graphics.Color)	4284834666 (0xFF65636A)
YUV	100.3960, 2.7628, 0.5297
Hunter-Lab	35.6805, -0.2560, -0.6766

Details

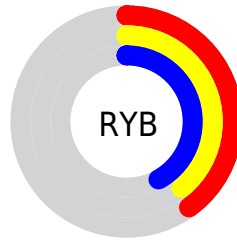
The XYZ color **12.4302, 12.7310, 15.4379** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1156, 14.1524, 13.8454**, and the grayscale version is **12.2080, 12.8437, 13.9868**.

A 20% lighter version of the original color is **29.9410, 30.9224, 36.2888**, and **3.5838, 3.6462, 4.6526** is the 20% darker color. If you saturate the color by 10%, you get **10.6820, 10.4359, 15.0872**, and if you desaturate by 10%, it is **14.3891, 15.3312, 15.8367**.

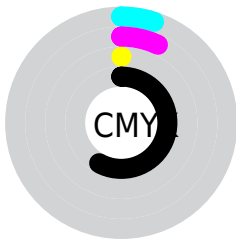
Distribution



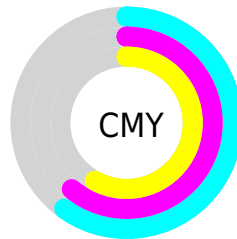
- Red (40%)
- Green (39%)
- Blue (42%)



- Red (40%)
- Yellow (39%)
- Blue (42%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4302, 12.7310, 15.4379 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 12.4302, 12.7310, 15.4379 by changing the saturation by 10% instead.

■ 12.4302, 12.7310,
15.4379

■ 12.4302, 12.7310,
15.4379

200.9452,
209.1864, 237.7330

■ 7.1117, 7.2436,
8.9773

■ 29.8863, 30.8197,
36.3727

■ 3.5790, 3.6149,
4.6297

■ 42.7547, 44.1897,
51.6839

■ 1.4668, 1.4606,
1.9768

■ 58.8703, 60.9560,
70.7824

■ 0.3031, 0.2607,
0.5410

■ 78.5985, 81.5031,
94.0867

■ 0.0000, 0.0000,
0.0000

102.3048,
106.2153, 122.0154

130.3544,

135.4770, 154.9870

163.1128,
169.6725, 193.4200

■ 12.4302, 12.7310,
15.4379

■ 12.4302, 12.7310,
15.4379

■ 10.6820, 10.4359,
15.0872

■ 14.3891, 15.3312,
15.8367

■ 9.1363, 8.4329,
14.7821

■ 16.5645, 18.2455,
16.2846

■ 7.7857, 6.7106,
14.5208

■ 18.9633, 21.4846,
16.7834

■ 6.6222, 5.2563,
14.3014

■ 21.5917, 25.0583,
17.3346

■ 5.6371, 4.0560,
14.1217

■ 24.4557, 28.9757,
17.9398

■ 4.8209, 3.0946,
13.9791

■ 27.5610, 33.2458,
18.6004

■ 4.1633, 2.3555,
13.8711

■ 30.9133, 37.8772,
19.3176

■ 3.6526, 1.8196,
13.7946

■ 34.5179, 42.8782,
20.0929

■ 3.2628, 1.4395,
13.7418

■ 38.3800, 48.2568,
20.9276

Harmonies

Analogous

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



12.1181, 12.7310, 15.7237



12.4302, 12.7310, 15.4379



12.6571, 12.7310, 14.7275

Triad

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



12.4302, 12.7310, 15.4379



12.3990, 12.7310, 12.3500



11.4881, 12.7310, 13.9126

Complementary

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



12.4302, 12.7310, 15.4379



13.1156, 14.1524, 13.8454

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.



11.5603, 12.7310, 13.0309



12.4302, 12.7310, 15.4379



12.0827, 12.7310, 12.1532

Square

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



12.4302, 12.7310, 15.4379



12.6389, 12.7310, 12.9468



11.7766, 12.7310, 12.3970



11.5775, 12.7310, 14.8191

Rectangle

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



12.4302, 12.7310, 15.4379



12.7276, 12.7310, 14.1234



11.7766, 12.7310, 12.3970



11.4943, 12.7310, 13.6036

Sweetspot

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



12.4306, 12.7315, 15.4382



23.3321, 24.3510, 27.4015



12.6996, 13.5977, 15.5912



5.4795, 5.7227, 6.4216



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.



12.4306, 12.7315, 15.4382



21.2942, 21.6559, 26.9887



12.8290, 12.9369, 15.4568



3.0221, 3.0631, 3.8668



3.8717, 1.6230, 17.0315



18.9694, 7.8787, 86.7471

Inverse Universe

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



12.9049, 12.9879, 14.9242



22.3221, 22.2117, 25.8684



12.7195, 13.9482, 13.8269



3.1825, 3.1499, 3.6915



8.9692, 4.4398, 8.7321



45.3145, 22.4678, 42.4546

Previews

White Background



This preview shows how the XYZ color 12.4302, 12.7310, 15.4379 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 12.4302, 12.7310, 15.4379 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 12.4302, 12.7310, 15.4379

Background



This preview shows how black text looks on a background with the XYZ color 12.4302, 12.7310, 15.4379.



This preview shows how white text looks on a background with the XYZ color 12.4302, 12.7310,

15.4379.

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

12.4302, 12.7310, 15.4379

Protanopia

12.3189, 12.6736, 15.4326

Deuteranopia

12.9396, 12.7158, 15.4081



Tritanopia

12.4825, 12.7519, 15.7134

Trichromacy



Original Color

12.4302, 12.7310, 15.4379

Protanomaly

12.3189, 12.6736, 15.4326

Deuteranomaly

12.7949, 12.7792, 15.4279

Tritanomaly

12.4825, 12.7519, 15.7134

Monochromacy



Original Color

12.4302, 12.7310, 15.4379

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2110, 12.7830, 14.3941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4302, 12.7310, 15.4379 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(101, 99, 106)` looks like.

```
.text, #text, p{  
    color:rgb(101, 99, 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(101, 99, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 99, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.4302, 12.7310, 15.4379 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(101, 99, 106) }
```


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

```
.border{ border-color:rgb(101, 99, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 99, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 99, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 99, 106);  
box-shadow:4px 4px 4px 4px rgb(101, 99,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4302, 12.7310, 15.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 99, 106) }
```

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

```
.background{ background-color: rgb(101, 99,  
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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