

Converting Colors

XYZ(12.3369, 15.1547, 14.2491)

Have a look what the booklet for
XYZ(12.3369, 15.1547, 14.2491)
contains.

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Color

**XYZ(12.3615, 15.2078,
14.3405)**

Conversions

Conversions Part 1

Format	Color
Hex	577364
RGB	87, 115, 100
RGB Percent	34%, 45%, 39%
CMY	0.6588, 0.5490, 0.6078
CMYK	0.24, 0.00, 0.13, 0.55
HSL	148°, 14%, 40%
HSV	148°, 24%, 45%
XYZ	12.3615, 15.2078, 14.3405
YIQ	104.9180, -11.8730, -10.6010

Conversions

Conversions Part 2

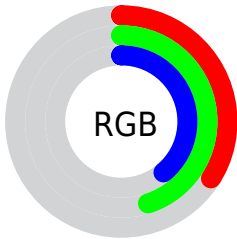
Format	Color
RYB	87, 106, 115
Decimal	5731172
CIELab	45.92, -13.56, 5.00
CIElCh	46, 14.451, 159.769
Yxy	15.2078, 0.2950, 0.3629
Android (android.graphics.Color)	4283921252 (0xFF577364)
YUV	104.9180, -2.4246, -15.7141
Hunter-Lab	38.9972, -11.6633, 5.4952

Details

The XYZ color **12.3615, 15.2078, 14.3405** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8773, 11.4210, 14.0969**, and the grayscale version is **13.4141, 14.1126, 15.3687**.

A 20% lighter version of the original color is **29.7212, 35.1902, 34.5041**, and **3.5642, 4.7428, 4.0958** is the 20% darker color. If you saturate the color by 10%, you get **11.0852, 14.5834, 12.7827**, and if you desaturate by 10%, it is **13.8323, 15.9307, 16.0258**.

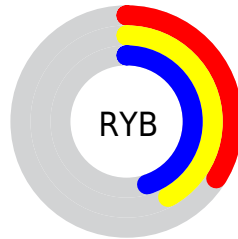
Distribution



Red (34%)

Green (45%)

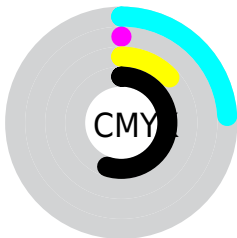
Blue (39%)



Red (34%)

Yellow (42%)

Blue (45%)

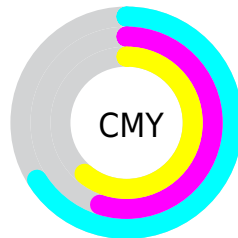


Cyan (24%)

Magenta (0%)

Yellow (13%)

Black (55%)



Cyan (66%)

Magenta (55%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3615, 15.2078, 14.3405 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 12.3615, 15.2078, 14.3405 by changing the saturation by 10% instead.

■ 12.3615, 15.2078,
14.3405

■ 12.3615, 15.2078,
14.3405

200.5055,
224.6206, 230.8405

■ 7.0643, 8.9654,
8.2164

■ 29.7630, 35.2173,
34.4178

■ 3.5490, 4.7186,
4.1440

■ 42.5980, 49.7532,
49.2080

■ 1.4503, 2.0831,
1.7047

■ 58.6764, 67.8223,
67.7241

■ 0.2917, 0.6551,
0.3639

■ 78.3634, 89.8090,
90.3845

■ 0.0000, 0.0000,
0.0000

■ 102.0245,
116.0979, 117.6079

130.0249,

147.0731, 149.8126

162.7301,
183.1192, 187.4173

■ 12.3615, 15.2078,
14.3405

■ 12.3615, 15.2078,
14.3405

■ 11.0852, 14.5834,
12.7827

■ 13.8323, 15.9307,
16.0258

■ 9.9936, 14.0513,
11.3483

■ 15.5043, 16.7542,
17.8405

■ 9.0778, 13.6073,
10.0347

■ 17.3856, 17.6829,
19.7877

■ 8.3277, 13.2463,
8.8386

■ 19.4833, 18.7204,
21.8701

■ 7.7322, 12.9627,
7.7566

■ 21.8043, 19.8701,
24.0903

■ 7.2786, 12.7499,
6.7850

■ 24.3549, 21.1354,
26.4508

■ 6.9477, 12.5981,
5.9198

■ 27.1416, 22.5195,
28.9542

■ 6.7826, 12.5227,
5.4751

■ 30.1702, 24.0253,
31.6027

■ 33.4466, 25.6559,
34.3988

Harmonies

Analogous

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



13.0040, 15.2078, 11.9093



12.3615, 15.2078, 14.3405



12.2619, 15.2078, 17.7260

Triad

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



12.3615, 15.2078, 14.3405



14.8566, 15.2078, 24.1089



16.3354, 15.2078, 12.6189

Complementary

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



12.3615, 15.2078, 14.3405



12.8773, 11.4210, 14.0969

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.



16.8941, 15.2078, 15.4438



12.3615, 15.2078, 14.3405



16.0091, 15.2078, 22.2837

Square

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



12.3615, 15.2078, 14.3405



13.6577, 15.2078, 23.7035



16.7715, 15.2078, 18.9946



15.2818, 15.2078, 11.0167

Rectangle

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



12.3615, 15.2078, 14.3405



12.5107, 15.2078, 20.1268



16.7715, 15.2078, 18.9946



16.5900, 15.2078, 13.4394

Sweetspot

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



12.3619, 15.2084, 14.3408



26.8758, 29.5634, 31.0002



13.3765, 15.7985, 11.3615



6.3823, 7.0383, 7.3640



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.3619, 15.2084, 14.3408



20.8557, 26.6055, 24.1406



13.0763, 15.4942, 18.1026



3.7048, 4.1239, 4.2793



7.7429, 14.3112, 6.2023



37.3080, 69.5704, 27.9905

Inverse Universe

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



12.8773, 11.4210, 14.0969



21.9419, 18.6215, 23.6254



12.2570, 11.1729, 10.8305



3.7583, 3.7306, 4.2540



9.0537, 4.5552, 5.4909



43.6834, 22.0235, 24.4598

Previews

White Background



This preview shows how the XYZ color 12.3615, 15.2078, 14.3405 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 12.3615, 15.2078, 14.3405 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 12.3615, 15.2078, 14.3405

Background



This preview shows how black text looks on a background with the XYZ color 12.3615, 15.2078, 14.3405.



This preview shows how white text looks on a background with the XYZ color 12.3615, 15.2078,

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

12.3615, 15.2078, 14.3405

Protanopia

14.2839, 15.0804, 13.2243

Deuteranopia

15.3350, 15.1274, 14.6820



Tritanopia

13.5597, 15.1930, 20.3070

Trichromacy



Original Color

12.3615, 15.2078, 14.3405

Protanomaly

13.5510, 15.1750, 13.5241

Deuteranomaly

14.1243, 15.1281, 14.4875

Tritanomaly

13.1022, 15.1762, 17.8615

Monochromacy



Original Color

12.3615, 15.2078, 14.3405

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9538, 14.5132, 14.9506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3615, 15.2078, 14.3405 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(87, 115, 100)` looks like.

```
.text, #text, p{  
    color:rgb(87, 115, 100)  
}
```

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(87, 115, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 115, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.3615, 15.2078, 14.3405 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(87, 115, 100) }
```


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

```
.border{ border-color:rgb(87, 115, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 115, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 115, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 115, 100); box-shadow:4px 4px 4px 4px rgb(87, 115, 100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3615, 15.2078, 14.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 115, 100) }
```

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

```
.background{ background-color: rgb(87, 115,  
100) }
```

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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