

Converting Colors

XYZ(10.4354, 13.2666, 15.3370)

Have a look what the booklet for
XYZ(10.4354, 13.2666, 15.3370)
contains.

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Color

**XYZ(10.4023, 13.1861,
15.3615)**

Conversions

Conversions Part 1

Format	Color
Hex	446D69
RGB	68, 109, 105
RGB Percent	27%, 43%, 41%
CMY	0.7333, 0.5725, 0.5882
CMYK	0.38, 0.00, 0.04, 0.57
HSL	174°, 23%, 35%
HSV	174°, 38%, 43%
XYZ	10.4023, 13.1861, 15.3615
YIQ	96.2850, -23.1520, -9.9360

Conversions

Conversions Part 2

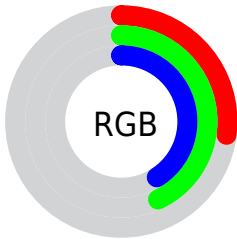
Format	Color
R_{YB}	68, 90, 109
Decimal	4484457
CIE _{Lab}	43.04, -15.33, -2.32
CIE _{LCh}	43, 15.501, 188.607
Yxy	13.1861, 0.2671, 0.3385
Android (android.graphics.Color)	4282674537 (0xFF446D69)
YUV	96.2850, 4.2965, -24.8059
Hunter-Lab	36.3127, -12.4132, 0.3372

Details

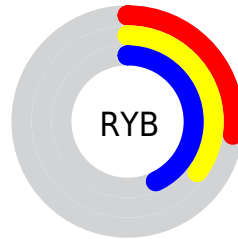
The XYZ color **10.4023, 13.1861, 15.3615** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5439, 7.8537, 7.1442**, and the grayscale version is **11.1816, 11.7639, 12.8109**.

A 20% lighter version of the original color is **26.2168, 31.7416, 36.1975**, and **2.7010, 3.7814, 4.5905** is the 20% darker color. If you saturate the color by 10%, you get **9.6575, 12.8087, 15.0433**, and if you desaturate by 10%, it is **11.2900, 13.6377, 15.6906**.

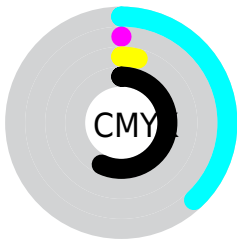
Distribution



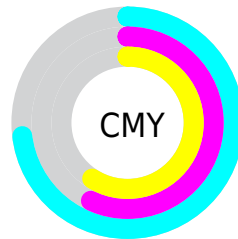
- Red (27%)
- Green (43%)
- Blue (41%)



- Red (27%)
- Yellow (35%)
- Blue (43%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (57%)



- Cyan (73%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4023, 13.1861, 15.3615 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 10.4023, 13.1861, 15.3615 by changing the saturation by 10% instead.

■ 10.4023, 13.1861,
15.3615

■ 10.4023, 13.1861,
15.3615

187.5140,
212.1069, 237.2596

■ 5.7308, 7.5568,
8.9241

■ 26.1924, 31.6377,
36.2374

■ 2.7212, 3.8127,
4.5955

■ 38.0416, 45.2288,
51.5128

■ 1.0081, 1.5694,
1.9574

■ 53.0142, 62.2427,
70.5714

■ 0.0000, 0.3368,
0.5289

■ 71.4754, 83.0637,
93.8316

■ 0.0000, 0.0000,
0.0000

■ 93.7906, 108.0762,
121.7120

120.3252,

137.6647, 154.6311

151.4446,
172.2135, 193.0075

■ 10.4023, 13.1861,
15.3615

■ 10.4023, 13.1861,
15.3615

■ 9.6575, 12.8087,
15.0433

■ 11.2900, 13.6377,
15.6906

■ 9.0465, 12.4999,
14.7346

■ 12.3266, 14.1657,
16.0299

■ 8.5611, 12.2558,
14.4353

■ 13.5194, 14.7740,
16.3801

■ 8.1917, 12.0714,
14.1450

■ 14.8745, 15.4660,
16.7415

■ 7.9272, 11.9411,
13.8631

■ 16.3981, 16.2448,
17.1145

■ 7.7353, 11.8480,
13.5882

■ 18.0958, 17.1132,
17.4992

■ 7.6907, 11.8264,
13.5231

■ 19.9730, 18.0741,
17.8960

■ 22.0349, 19.1301,
18.3051

■ 24.2864, 20.2839,
18.7267

Harmonies

Analogous

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



10.5193, 13.1861, 12.0955



10.4023, 13.1861, 15.3615



10.8272, 13.1861, 18.8510

Triad

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



10.4023, 13.1861, 15.3615



14.0170, 13.1861, 20.1167



13.3870, 13.1861, 9.0755

Complementary

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



10.4023, 13.1861, 15.3615



9.5439, 7.8537, 7.1442

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.



14.4091, 13.1861, 10.6415



10.4023, 13.1861, 15.3615



14.7885, 13.1861, 16.8851

Square

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



10.4023, 13.1861, 15.3615



12.8789, 13.1861, 21.8676



14.9364, 13.1861, 13.3981



12.1934, 13.1861, 8.7999

Rectangle

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



10.4023, 13.1861, 15.3615



11.3775, 13.1861, 20.7153



14.9364, 13.1861, 13.3981



13.7642, 13.1861, 9.4550

Sweetspot

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



10.4027, 13.1866, 15.3618



23.3862, 26.0351, 29.0963



9.1923, 12.7367, 7.4430



5.3939, 6.0339, 6.7569



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.



10.4027, 13.1866, 15.3618



17.4604, 23.0202, 27.0132



9.0239, 10.0921, 15.9409



3.1697, 3.4871, 3.8775



8.9902, 13.8302, 15.7912



45.6311, 70.3995, 79.5274

Inverse Universe

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



9.5439, 7.8537, 7.1442



15.6882, 12.0005, 10.0445



10.5519, 10.0719, 6.8570



3.1107, 3.1211, 3.3131



7.4395, 3.8279, 0.6771



37.7502, 19.4420, 2.6212

Previews

White Background



This preview shows how the XYZ color 10.4023, 13.1861, 15.3615 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 10.4023, 13.1861, 15.3615 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 10.4023, 13.1861, 15.3615

Background



This preview shows how black text looks on a background with the XYZ color 10.4023, 13.1861, 15.3615.



This preview shows how white text looks on a background with the XYZ color 10.4023, 13.1861,

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

10.4023, 13.1861, 15.3615

Protanopia

12.5474, 13.1110, 13.9260

Deuteranopia

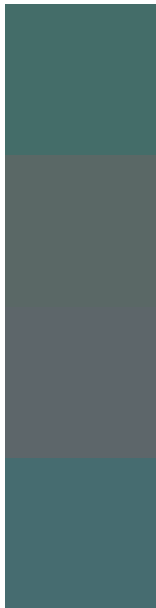
13.2059, 12.9850, 15.7203



Tritanopia

11.0086, 13.1159, 18.4744

Trichromacy



Original Color

10.4023, 13.1861, 15.3615

Protanomaly

11.5650, 13.0336, 14.4766

Deuteranomaly

11.8671, 12.8705, 15.4945

Tritanomaly

10.8130, 13.1971, 17.3066

Monochromacy



Original Color

10.4023, 13.1861, 15.3615

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7436, 12.1866, 13.5904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4023, 13.1861, 15.3615 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(68, 109, 105)` looks like.

```
.text, #text, p{  
    color:rgb(68, 109, 105)  
}
```

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(68, 109, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 109, 105) }
```

Border

The CSS property to change the border of an element to XYZ 10.4023, 13.1861, 15.3615 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(68, 109, 105) }
```


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

```
.border{ border-color:rgb(68, 109, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 109, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 109, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 109, 105);  
box-shadow:4px 4px 4px 4px rgb(68, 109,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4023, 13.1861, 15.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 109, 105) }
```

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

```
.background{ background-color: rgb(68, 109,  
105) }
```

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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