

Converting Colors

XYZ(13.3708, 13.3033, 18.8196)

Have a look what the booklet for
XYZ(13.3708, 13.3033, 18.8196)
contains.

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Color

**XYZ(13.3616, 13.2823,
18.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	676475
RGB	103, 100, 117
RGB Percent	40%, 39%, 46%
CMY	0.5961, 0.6078, 0.5412
CMYK	0.12, 0.15, 0.00, 0.54
HSL	251°, 8%, 43%
HSV	251°, 15%, 46%
XYZ	13.3616, 13.2823, 18.6891
YIQ	102.8350, -3.6690, 5.9230

Conversions

Conversions Part 2

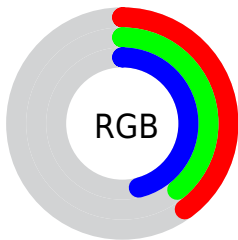
Format	Color
R_{YB}	103, 100, 117
Decimal	6775925
CIE Lab	43.19, 4.87, -9.11
CIE LCh	43, 10.327, 298.150
Yxy	13.2823, 0.2947, 0.2930
Android (android.graphics.Color)	4284966005 (0xFF676475)
YUV	102.8350, 6.9833, 0.1447
Hunter-Lab	36.4449, 1.6640, -4.8928

Details

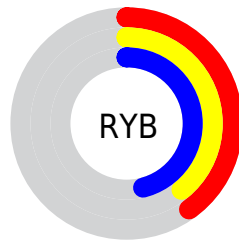
The XYZ color **13.3616, 13.2823, 18.6891** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6014, 17.2204, 14.5589**, and the grayscale version is **12.8317, 13.5000, 14.7015**.

A 20% lighter version of the original color is **31.5545, 31.8678, 42.0241**, and **3.9782, 3.8166, 6.1572** is the 20% darker color. If you saturate the color by 10%, you get **11.2768, 10.6599, 18.2930**, and if you desaturate by 10%, it is **15.7358, 16.2939, 19.1455**.

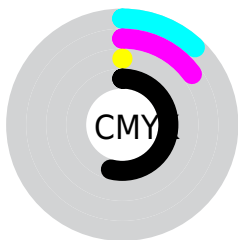
Distribution



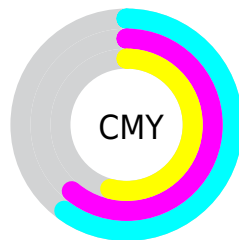
- Red (40%)
- Green (39%)
- Blue (46%)



- Red (40%)
- Yellow (39%)
- Blue (46%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (54%)



- Cyan (60%)
- Magenta (61%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3616, 13.2823, 18.6891 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 13.3616, 13.2823, 18.6891 by changing the saturation by 10% instead.

■ 13.3616, 13.2823,
18.6891

■ 13.3616, 13.2823,
18.6891

206.8134,
212.7191, 257.0923

■ 7.7567, 7.6232,
11.2713

■ 31.5477, 31.8100,
42.0378

■ 3.9902, 3.8548,
6.1332

■ 44.8597, 45.4475,
58.8057

■ 1.6966, 1.5927,
2.8561

■ 61.4714, 62.5131,
79.5275

■ 0.4541, 0.3527,
1.0216

■ 81.7482, 83.3915,
104.6216

■ 0.0000, 0.0000,
0.0000

106.0554,
108.4668, 134.5066

134.7585,

138.1236, 169.6010

168.2227,
172.7462, 210.3234

■ 13.3616, 13.2823,
18.6891

■ 13.3616, 13.2823,
18.6891

■ 11.2768, 10.6599,
18.2930

■ 15.7358, 16.2939,
19.1455

■ 9.4690, 8.4090,
17.9538

■ 18.4088, 19.7080,
19.6636

■ 7.9268, 6.5133,
17.6692

■ 21.3908, 23.5393,
20.2459

■ 6.6375, 4.9544,
17.4363

■ 24.6915, 27.8012,
20.8946

■ 5.5871, 3.7124,
17.2519

■ 28.3200, 32.5067,
21.6116

■ 4.7605, 2.7650,
17.1126

■ 32.2850, 37.6681,
22.3989

■ 4.1408, 2.0873,
17.0144

■ 36.5949, 43.2973,
23.2583

■ 3.7042, 1.6418,
16.9515

■ 41.2578, 49.4056,
24.1915

■ 3.5126, 1.4399,
16.9226

■ 46.2817, 56.0041,
25.2004

Harmonies

Analogous

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



12.5750, 13.2823, 19.3093



13.3616, 13.2823, 18.6891



13.9720, 13.2823, 16.9050

Triad

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



13.3616, 13.2823, 18.6891



13.4508, 13.2823, 11.0441



11.1533, 13.2823, 14.3209

Complementary

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



13.3616, 13.2823, 18.6891



15.6014, 17.2204, 14.5589

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.



11.3665, 13.2823, 12.2668



13.3616, 13.2823, 18.6891



12.6740, 13.2823, 10.5028

Square

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



13.3616, 13.2823, 18.6891



14.0250, 13.2823, 12.4881



11.9149, 13.2823, 10.9261



11.3204, 13.2823, 16.6340

Rectangle

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



13.3616, 13.2823, 18.6891



14.1850, 13.2823, 15.3826



11.9149, 13.2823, 10.9261



11.1827, 13.2823, 13.5792

Sweetspot

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



13.3620, 13.2829, 18.6894



28.3703, 29.4222, 34.3208



14.5030, 16.0663, 19.1665



6.4574, 6.6814, 7.8783



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.



13.3620, 13.2829, 18.6894



22.7878, 22.3477, 33.2495



14.3661, 13.8005, 18.7364



3.5553, 3.6181, 4.6012



3.8597, 1.5811, 18.6443



18.2819, 7.4332, 90.8315

Inverse Universe

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



14.9310, 14.1118, 17.8571



26.1029, 24.0996, 31.4641



14.5663, 16.6868, 14.5104



3.8002, 3.7474, 4.4749



10.4224, 5.1027, 12.6982



50.5068, 24.7528, 60.3913

Previews

White Background



This preview shows how the XYZ color 13.3616, 13.2823, 18.6891 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 13.3616, 13.2823, 18.6891 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 13.3616, 13.2823, 18.6891

Background



This preview shows how black text looks on a background with the XYZ color 13.3616, 13.2823, 18.6891.



This preview shows how white text looks on a background with the XYZ color 13.3616, 13.2823,

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

13.3616, 13.2823, 18.6891

Protanopia

13.0693, 13.2680, 19.0117

Deuteranopia

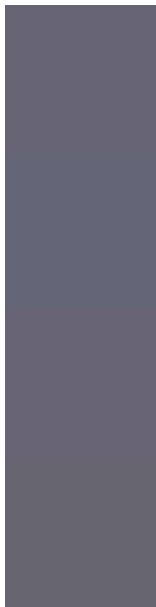
13.4984, 13.2113, 18.6682



Tritanopia

12.8935, 13.2363, 16.3433

Trichromacy



Original Color

13.3616, 13.2823, 18.6891

Protanomaly

13.1792, 13.3247, 19.0168

Deuteranomaly

13.3816, 13.1511, 18.6627

Tritanomaly

13.0578, 13.3020, 17.2086

Monochromacy



Original Color

13.3616, 13.2823, 18.6891

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0517, 13.4690, 16.0992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3616, 13.2823, 18.6891 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(103, 100, 117)` looks like.

```
.text, #text, p{  
    color:rgb(103, 100, 117)  
}
```

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(103, 100, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 100, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.3616, 13.2823, 18.6891 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(103, 100, 117) }
```


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

```
.border{ border-color:rgb(103, 100, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 100, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 100, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 100, 117);  
box-shadow:4px 4px 4px 4px rgb(103, 100,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3616, 13.2823, 18.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 100, 117) }
```

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

```
.background{ background-color: rgb(103,  
100, 117) }
```

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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