

Converting Colors

XYZ(13.4998, 13.3521, 19.1736)

Have a look what the booklet for
XYZ(13.4998, 13.3521, 19.1736)
contains.

XYZ(13.4805, 13.3298, 19.3152)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.4805, 13.3298,
19.3152)**

Conversions

Conversions Part 1

Format	Color
Hex	676477
RGB	103, 100, 119
RGB Percent	40%, 39%, 47%
CMY	0.5961, 0.6078, 0.5333
CMYK	0.13, 0.16, 0.00, 0.53
HSL	249°, 9%, 43%
HSV	249°, 16%, 47%
XYZ	13.4805, 13.3298, 19.3152
YIQ	103.0630, -4.3110, 6.5450

Conversions

Conversions Part 2

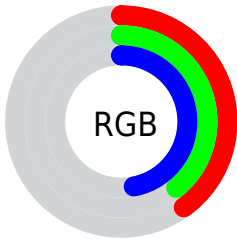
Format	Color
R_{YB}	103, 100, 119
Decimal	6775927
CIE Lab	43.26, 5.34, -10.21
CIE LCh	43, 11.522, 297.595
Yxy	13.3298, 0.2923, 0.2890
Android (android.graphics.Color)	4284966007 (0xFF676477)
YUV	103.0630, 7.8569, -0.0553
Hunter-Lab	36.5100, 2.0146, -5.8097

Details

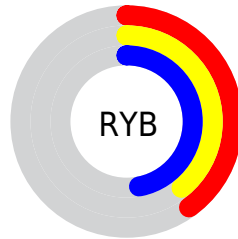
The XYZ color **13.4805, 13.3298, 19.3152** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0999, 17.8271, 14.6496**, and the grayscale version is **12.8898, 13.5611, 14.7680**.

A 20% lighter version of the original color is **31.7437, 31.9435, 43.0207**, and **4.0413, 3.8419, 6.4898** is the 20% darker color. If you saturate the color by 10%, you get **11.3401, 10.6543, 18.9118**, and if you desaturate by 10%, it is **15.9262, 16.4110, 19.7812**.

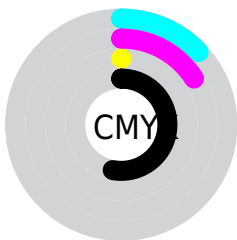
Distribution



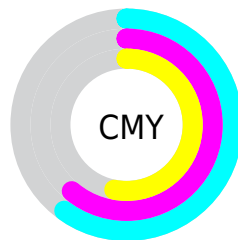
- Red (40%)
- Green (39%)
- Blue (47%)



- Red (40%)
- Yellow (39%)
- Blue (47%)



- Cyan (13%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4805, 13.3298, 19.3152 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 13.4805, 13.3298, 19.3152 by changing the saturation by 10% instead.

■ 13.4805, 13.3298,
19.3152

■ 13.4805, 13.3298,
19.3152

207.5505,
213.0206, 260.6638

■ 7.8395, 7.6560,
11.7191

■ 31.7584, 31.8950,
43.1098

■ 4.0434, 3.8757,
6.4325

■ 45.1260, 45.5553,
60.1454

■ 1.7267, 1.6043,
3.0368

■ 61.7999, 62.6465,
81.1647

■ 0.4729, 0.3605,
1.1135

■ 82.1454, 83.5530,
106.5861

■ 0.0000, 0.0000,
0.0000

106.5278,
108.6593, 136.8281

135.3126,

138.3498, 172.3094

168.8651,
173.0087, 213.4485

■ 13.4805, 13.3298,
19.3152

■ 13.4805, 13.3298,
19.3152

■ 11.3401, 10.6543,
18.9118

■ 15.9262, 16.4110,
19.7812

■ 9.4919, 8.3658,
18.5675

■ 18.6874, 19.9120,
20.3115

■ 7.9232, 6.4469,
18.2798

■ 21.7754, 23.8484,
20.9085

■ 6.6204, 4.8779,
18.0456

■ 25.2002, 28.2347,
21.5746

■ 5.5683, 3.6376,
17.8616

■ 28.9719, 33.0843,
22.3119

■ 4.7505, 2.7021,
17.7242

■ 33.0997, 38.4103,
23.1224

■ 4.1481, 2.0445,
17.6290

■ 37.5928, 44.2254,
24.0080

■ 3.7314, 1.6163,
17.5683

■ 42.4599, 50.5415,
24.9706

■ 3.5942, 1.4682,
17.5470

■ 47.7093, 57.3704,
26.0120

Harmonies

Analogous

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



12.5977, 13.3298, 19.9936



13.4805, 13.3298, 19.3152



14.1730, 13.3298, 17.3077

Triad

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



13.4805, 13.3298, 19.3152



13.6108, 13.3298, 10.7503



11.0326, 13.3298, 14.3088

Complementary

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



13.4805, 13.3298, 19.3152



16.0999, 17.8271, 14.6496

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.



11.2764, 13.3298, 12.0382



13.4805, 13.3298, 19.3152



12.7417, 13.3298, 10.1398

Square

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



13.4805, 13.3298, 19.3152



14.2507, 13.3298, 12.3561



11.8918, 13.3298, 10.5825



11.2100, 13.3298, 16.9093

Rectangle

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



13.4805, 13.3298, 19.3152



14.4190, 13.3298, 15.5946



11.8918, 13.3298, 10.5825



11.0677, 13.3298, 13.4843

Sweetspot

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



13.4809, 13.3304, 19.3155



28.9115, 29.8832, 35.4973



14.8484, 16.5670, 19.8682



6.7884, 7.0020, 8.4004



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.4809, 13.3304, 19.3155



22.7307, 22.1039, 34.3215



14.6141, 13.9145, 19.3685



3.5495, 3.6151, 4.6009



3.8126, 1.5568, 18.6421



18.0936, 7.3361, 90.8227

Inverse Universe

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



15.3177, 14.2977, 18.4758



26.6602, 24.1743, 32.4898



14.9189, 17.2182, 14.5943



3.8030, 3.7485, 4.4894



10.5348, 5.1476, 13.2903



51.0772, 24.9810, 63.3949

Previews

White Background



This preview shows how the XYZ color 13.4805, 13.3298, 19.3152 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 13.4805, 13.3298, 19.3152 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 13.4805, 13.3298, 19.3152

Background



This preview shows how black text looks on a background with the XYZ color 13.4805, 13.3298, 19.3152.

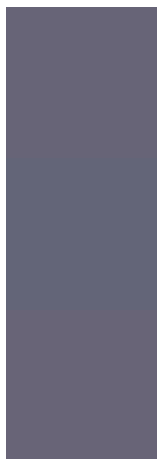


This preview shows how white text looks on a background with the XYZ color 13.4805, 13.3298,

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

13.4805, 13.3298, 19.3152

Protanopia

13.1894, 13.3161, 19.6444

Deuteranopia

13.5959, 13.3893, 19.3206



Tritanopia

12.9327, 13.3952, 16.6558

Trichromacy



Original Color

13.4805, 13.3298, 19.3152

Protanomaly

13.2994, 13.3728, 19.6495

Deuteranomaly

13.5959, 13.3893, 19.3206

Tritanomaly

13.1138, 13.3244, 17.5035

Monochromacy



Original Color

13.4805, 13.3298, 19.3152

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1052, 13.4904, 16.3812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4805, 13.3298, 19.3152 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 100, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 100, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.4805, 13.3298, 19.3152 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, 119) }
```


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

```
.border{ border-color:rgb(103, 100, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 100, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 100, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 100,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4805, 13.3298, 19.3152 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, 119) }
```

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

```
.background{ background-color: rgb(103,  
100, 119) }
```

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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