

Converting Colors

XYZ(9.6509, 17.3338, 5.0600)

Have a look what the booklet for
XYZ(9.6509, 17.3338, 5.0600)
contains.

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Color

**XYZ(9.6805, 17.3933,
5.0375)**

Conversions

Conversions Part 1

Format	Color
Hex	28852A
RGB	40, 133, 42
RGB Percent	16%, 52%, 16%
CMY	0.8431, 0.4784, 0.8353
CMYK	0.70, 0.00, 0.68, 0.48
HSL	121°, 54%, 34%
HSV	121°, 70%, 52%
XYZ	9.6805, 17.3933, 5.0375
YIQ	94.8190, -26.2170, -48.0170

Conversions

Conversions Part 2

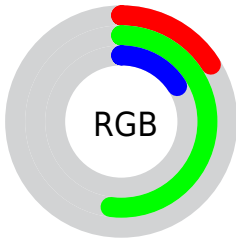
Format	Color
R_{YB}	40, 131, 133
Decimal	2655530
CIE _{Lab}	48.75, -45.60, 39.84
CIE _{LCh}	49, 60.555, 138.856
Yxy	17.3933, 0.3015, 0.5417
Android (android.graphics.Color)	4280845610 (0xFF28852A)
YUV	94.8190, -26.0398, -48.0763
Hunter-Lab	41.7053, -31.5514, 22.0322

Details

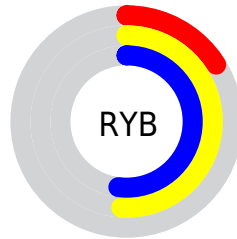
The XYZ color **9.6805, 17.3933, 5.0375** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.5288, 8.1431, 22.2788**, and the grayscale version is **10.8991, 11.4667, 12.4872**.

A 20% lighter version of the original color is **24.8477, 38.9660, 16.3368**, and **3.0173, 6.0346, 1.0058** is the 20% darker color. If you saturate the color by 10%, you get **9.0536, 17.0933, 3.9838**, and if you desaturate by 10%, it is **10.5619, 17.8168, 6.4988**.

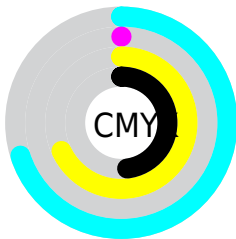
Distribution



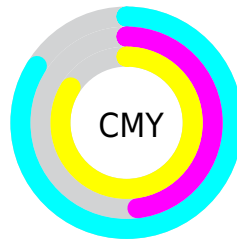
- Red (16%)
- Green (52%)
- Blue (16%)



- Red (16%)
- Yellow (51%)
- Blue (52%)



- Cyan (70%)
- Magenta (0%)
- Yellow (68%)
- Black (48%)





- Cyan (84%)
- Magenta (48%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.6805, 17.3933, 5.0375 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 9.6805, 17.3933, 5.0375 by changing the saturation by 10% instead.


 9.6805, 17.3933,
5.0375


 9.6805, 17.3933,
5.0375


182.4780,
237.4288, 159.1404


 5.2483, 10.5153,
2.2102


 24.8480, 39.0008,
16.3395


 2.4299, 5.7419,
0.6802

 36.3139, 54.4990,
25.6513


 0.8600, 2.6888,
0.0000

 50.8551, 73.6395,
37.9616

 0.0000, 0.9715,
0.0000

 68.8370, 96.8066,
53.6890

 0.0000, 0.0000,
0.0000

 90.6249, 124.3846,
73.2520

 116.5841,

156.7581, 97.0693

147.0800,
194.3113, 125.5592

■ 9.6805, 17.3933,
5.0375

■ 9.6805, 17.3933,
5.0375

■ 9.0536, 17.0933,
3.9838

■ 10.5619, 17.8168,
6.4988

■ 8.6531, 16.9017,
3.2955

■ 11.7197, 18.3727,
8.4023

■ 8.4053, 16.7828,
2.8814

■ 13.1747, 19.0716,
10.7801

■ 8.4035, 16.7820,
2.8786

■ 14.9455, 19.9226,
13.6611

■ 17.0492, 20.9338,
17.0719

■ 19.5015, 22.1128,
21.0371

■ 22.3174, 23.4668,
25.5798

■ 25.5108, 25.0025,
30.7220

■ 29.0948, 26.7263,
36.4843

Harmonies

Analogous

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



13.2924, 17.3933, 2.1834



9.6805, 17.3933, 5.0375



8.0623, 17.3933, 13.5846

Triad

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



9.6805, 17.3933, 5.0375



14.5380, 17.3933, 68.1194



28.9486, 17.3933, 10.6227

Complementary

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



9.6805, 17.3933, 5.0375



14.5288, 8.1431, 22.2788

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.



29.4961, 17.3933, 25.5410



9.6805, 17.3933, 5.0375



20.2589, 17.3933, 65.6321

Square

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



9.6805, 17.3933, 5.0375



10.4145, 17.3933, 52.9148



26.0310, 17.3933, 47.3116



24.6704, 17.3933, 3.9200

Rectangle

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



9.6805, 17.3933, 5.0375



8.0161, 17.3933, 24.0896



26.0310, 17.3933, 47.3116



29.6061, 17.3933, 14.5794

Sweetspot

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



9.6809, 17.3940, 5.0379



29.9054, 37.1863, 29.5590



18.2012, 21.7904, 5.2542



6.5340, 8.2800, 6.3298



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



9.6809, 17.3940, 5.0379



15.7380, 30.3824, 6.3229



11.0265, 17.9323, 12.1238



4.6201, 5.2063, 5.0105



8.0046, 15.9847, 2.7439



0.0280, 0.0555, 0.0108

Inverse Universe

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



14.5288, 8.1431, 22.2788



25.0121, 12.6606, 39.2868



12.0698, 7.1595, 9.3300



4.8537, 4.7612, 5.8418



13.0607, 6.2886, 20.6897



0.0456, 0.0219, 0.0735

Previews

White Background



This preview shows how the XYZ color 9.6805, 17.3933, 5.0375 looks on a white background.

Color Contrast Check

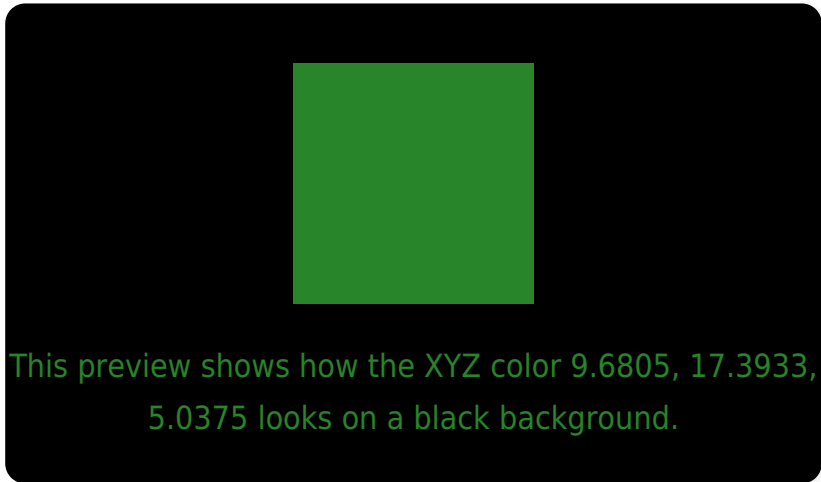
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.6805, 17.3933, 5.0375

Background



This preview shows how black text looks on a background with the XYZ color 9.6805, 17.3933, 5.0375.



This preview shows how white text looks on a background with the XYZ color 9.6805, 17.3933,

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

9.6805, 17.3933, 5.0375

Protanopia

15.5179, 17.0622, 4.2257

Deuteranopia

17.3721, 17.0072, 5.3847



Tritanopia

13.6907, 17.2604, 25.1643

Trichromacy



Original Color

9.6805, 17.3933, 5.0375

Protanomaly

12.2555, 16.6069, 4.4790

Deuteranomaly

12.9354, 16.2263, 5.1395

Tritanomaly

11.5692, 16.9591, 14.9756

Monochromacy



Original Color

9.6805, 17.3933, 5.0375

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

9.6748, 12.9549, 8.8281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6805, 17.3933, 5.0375 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(40, 133, 42)` looks like.

```
.text, #text, p{  
    color:rgb(40, 133, 42)  
}
```

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(40, 133, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 133, 42) }
```

Border

The CSS property to change the border of an element to XYZ 9.6805, 17.3933, 5.0375 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(40, 133, 42) }
```


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

```
.border{ border-color:rgb(40, 133, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 133, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 133, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 133, 42);  
box-shadow:4px 4px 4px 4px rgb(40, 133,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6805, 17.3933, 5.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 133, 42) }
```

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

```
.background{ background-color: rgb(40, 133,  
42) }
```

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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