

Converting Colors

XYZ(10.4209, 17.8799, 8.3788)

Have a look what the booklet for
XYZ(10.4209, 17.8799, 8.3788)
contains.

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Color

**XYZ(10.4436, 17.9187,
8.3771)**

Conversions

Conversions Part 1

Format	Color
Hex	288644
RGB	40, 134, 68
RGB Percent	16%, 53%, 27%
CMY	0.8431, 0.4745, 0.7333
CMYK	0.70, 0.00, 0.49, 0.47
HSL	138°, 54%, 34%
HSV	138°, 70%, 53%
XYZ	10.4436, 17.9187, 8.3771
YIQ	98.3700, -34.8380, -40.4540

Conversions

Conversions Part 2

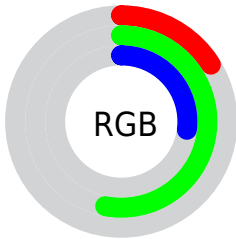
Format	Color
RYB	40, 112, 134
Decimal	2655812
CIELab	49.40, -42.40, 27.69
CIELCh	49, 50.644, 146.853
Yxy	17.9187, 0.2843, 0.4877
Android (android.graphics.Color)	4280845892 (0xFF288644)
YUV	98.3700, -14.9724, -51.1905
Hunter-Lab	42.3305, -30.0396, 17.8980

Details

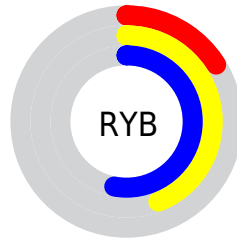
The XYZ color **10.4436, 17.9187, 8.3771** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.1924, 7.6269, 14.4132**, and the grayscale version is **11.7446, 12.3563, 13.4560**.

A 20% lighter version of the original color is **26.2311, 39.8475, 23.1384**, and **3.2381, 6.2444, 1.7937** is the 20% darker color. If you saturate the color by 10%, you get **9.7459, 17.5901, 6.9642**, and if you desaturate by 10%, it is **11.3690, 18.3604, 10.0422**.

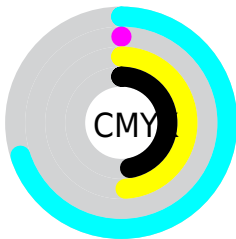
Distribution



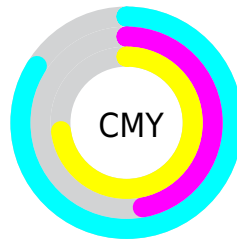
- Red (16%)
- Green (53%)
- Blue (27%)



- Red (16%)
- Yellow (44%)
- Blue (53%)



- Cyan (70%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)



- Cyan (84%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4436, 17.9187, 8.3771 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 10.4436, 17.9187, 8.3771 by changing the saturation by 10% instead.

■ 10.4436, 17.9187,
8.3771

■ 10.4436, 17.9187,
8.3771

187.7977,
240.4124, 188.7043

■ 5.7586, 10.8916,
4.2460

■ 26.2688, 39.8987,
23.2527

■ 2.7381, 5.9940,
1.7612

■ 38.1396, 55.6205,
34.8343

■ 1.0168, 2.8414,
0.4022

■ 53.1364, 75.0093,
49.7364

■ 0.0000, 1.0495,
0.0000

■ 71.6246, 98.4495,
68.3776

■ 0.0000, 0.0000,
0.0000

■ 93.9694, 126.3255,
91.1765

■ 120.5363,

159.0218, 118.5515

151.6906,
196.9226, 150.9213

■ 10.4436, 17.9187,
8.3771

■ 10.4436, 17.9187,
8.3771

■ 9.7459, 17.5901,
6.9642

■ 11.3690, 18.3604,
10.0422

■ 9.2527, 17.3613,
5.7896

■ 12.5396, 18.9224,
11.9697

■ 8.9070, 17.2035,
4.8511

■ 13.9727, 19.6139,
14.1709

■ 15.6836, 20.4427,
16.6561

■ 17.6864, 21.4158,
19.4349

■ 19.9941, 22.5396,
22.5165

■ 22.6192, 23.8205,
25.9098

■ 25.5732, 25.2642,
29.6233

■ 28.8671, 26.8763,
33.6649

Harmonies

Analogous

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



13.2121, 17.9187, 4.1992



10.4436, 17.9187, 8.3771



9.4115, 17.9187, 18.1027

Triad

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



10.4436, 17.9187, 8.3771



16.5323, 17.9187, 59.2922



26.6036, 17.9187, 9.8816

Complementary

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



10.4436, 17.9187, 8.3771



13.1924, 7.6269, 14.4132

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.



27.9394, 17.9187, 20.9893



10.4436, 17.9187, 8.3771



21.5233, 17.9187, 53.6188

Square

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



10.4436, 17.9187, 8.3771



12.4889, 17.9187, 50.8371



25.9310, 17.9187, 37.7041



22.5596, 17.9187, 4.7390

Rectangle

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



10.4436, 17.9187, 8.3771



9.6700, 17.9187, 28.1680



25.9310, 17.9187, 37.7041



27.4135, 17.9187, 12.8379

Sweetspot

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



10.4440, 17.9194, 8.3775



30.6667, 37.4908, 33.5677



15.0164, 20.3528, 5.1447



6.7184, 8.3537, 7.3009



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.



10.4440, 17.9194, 8.3775



16.6338, 30.7407, 11.0401



12.4172, 18.7087, 18.7678



4.6692, 5.2259, 5.2691



8.3512, 16.1233, 4.5688



0.0318, 0.0570, 0.0311

Inverse Universe

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



13.1924, 7.6269, 14.4132



21.7615, 11.3604, 22.1696



11.4162, 6.9164, 5.0596



4.8004, 4.7398, 5.5610



11.1154, 5.5105, 10.4460



0.0417, 0.0204, 0.0531

Previews

White Background



This preview shows how the XYZ color 10.4436, 17.9187, 8.3771 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 10.4436, 17.9187, 8.3771 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4436, 17.9187, 8.3771

Background



This preview shows how black text looks on a background with the XYZ color 10.4436, 17.9187, 8.3771.



This preview shows how white text looks on a background with the XYZ color 10.4436, 17.9187,

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

10.4436, 17.9187, 8.3771

Protanopia

16.2841, 17.7375, 7.1228

Deuteranopia

17.9050, 17.5260, 8.9177



Tritanopia

14.0261, 17.7846, 26.3604

Trichromacy



Original Color

10.4436, 17.9187, 8.3771

Protanomaly

12.9381, 17.0775, 7.4649

Deuteranomaly

13.4754, 16.6046, 8.6257

Tritanomaly

12.3504, 17.6826, 18.0914

Monochromacy



Original Color

10.4436, 17.9187, 8.3771

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.4653, 13.6348, 11.0970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4436, 17.9187, 8.3771 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, 134, 68)` looks like.

```
.text, #text, p{  
    color:rgb(40, 134, 68)  
}
```

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, 134, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 134, 68) }
```

Border

The CSS property to change the border of an element to XYZ 10.4436, 17.9187, 8.3771 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, 134, 68) }
```


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

```
.border{ border-color:rgb(40, 134, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 134, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 134, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 134, 68);  
box-shadow:4px 4px 4px 4px rgb(40, 134,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4436, 17.9187, 8.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 134, 68) }
```

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

```
.background{ background-color: rgb(40, 134,  
68) }
```

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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