

Converting Colors

XYZ(10.4066, 17.8015, 8.5682)

Have a look what the booklet for
XYZ(10.4066, 17.8015, 8.5682)
contains.

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Color

**XYZ(10.4743, 17.9310,
8.5392)**

Conversions

Conversions Part 1

Format	Color
Hex	288645
RGB	40, 134, 69
RGB Percent	16%, 53%, 27%
CMY	0.8431, 0.4745, 0.7294
CMYK	0.70, 0.00, 0.49, 0.47
HSL	139°, 54%, 34%
HSV	139°, 70%, 53%
XYZ	10.4743, 17.9310, 8.5392
YIQ	98.4840, -35.1590, -40.1430

Conversions

Conversions Part 2

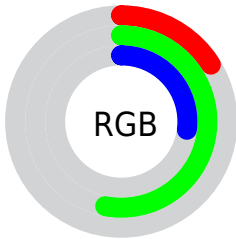
Format	Color
R_{YB}	40, 112, 134
Decimal	2655813
CIE Lab	49.41, -42.23, 27.17
CIE LCh	49, 50.218, 147.244
Yxy	17.9310, 0.2835, 0.4853
Android (android.graphics.Color)	4280845893 (0xFF288645)
YUV	98.4840, -14.5356, -51.2905
Hunter-Lab	42.3450, -29.9507, 17.6852

Details

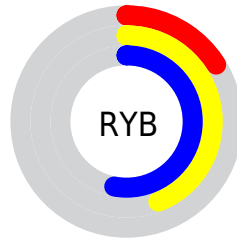
The XYZ color **10.4743, 17.9310, 8.5392** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.1405, 7.6060, 14.1402**, and the grayscale version is **11.7720, 12.3851, 13.4873**.

A 20% lighter version of the original color is **26.2902, 39.8711, 23.4498**, and **3.2479, 6.2484, 1.8455** is the 20% darker color. If you saturate the color by 10%, you get **9.7756, 17.6020, 7.1207**, and if you desaturate by 10%, it is **11.3995, 18.3726, 10.2036**.

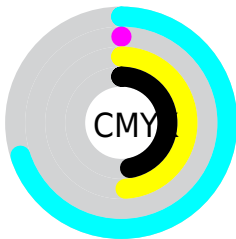
Distribution



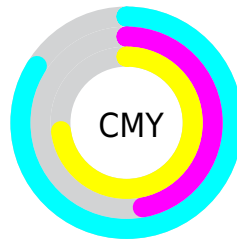
- Red (16%)
- Green (53%)
- Blue (27%)



- 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 10.4743, 17.9310, 8.5392 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 10.4743, 17.9310, 8.5392 by changing the saturation by 10% instead.

■ 10.4743, 17.9310,
8.5392

■ 10.4743, 17.9310,
8.5392

188.0083,
240.4818, 189.9919

■ 5.7792, 10.9005,
4.3492

■ 26.3255, 39.9197,
23.5723

■ 2.7507, 5.9999,
1.8188

■ 38.2124, 55.6467,
35.2524

■ 1.0233, 2.8450,
0.4403

■ 53.2272, 75.0412,
50.2664

■ 0.0000, 1.0514,
0.0000

■ 71.7353, 98.4878,
69.0327

■ 0.0000, 0.0000,
0.0000

■ 94.1022, 126.3707,
91.9698

■ 120.6930,

159.0745, 119.4964

151.8733,
196.9834, 152.0309

■ 10.4743, 17.9310,
8.5392

■ 10.4743, 17.9310,
8.5392

■ 9.7756, 17.6020,
7.1207

■ 11.3995, 18.3726,
10.2036

■ 9.2803, 17.3724,
5.9351

■ 12.5687, 18.9340,
12.1238

■ 8.9317, 17.2134,
4.9811

■ 13.9990, 19.6245,
14.3104

■ 15.7056, 20.4515,
16.7733

■ 17.7026, 21.4222,
19.5217

■ 20.0029, 22.5431,
22.5645

■ 22.6189, 23.8204,
25.9100

■ 25.5620, 25.2597,
29.5663

■ 28.8432, 26.8667,
33.5414

Harmonies

Analogous

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



13.2048, 17.9310, 4.3046



10.4743, 17.9310, 8.5392



9.4691, 17.9310, 18.2963

Triad

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



10.4743, 17.9310, 8.5392



16.6087, 17.9310, 58.8782



26.4890, 17.9310, 9.8530

Complementary

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



10.4743, 17.9310, 8.5392



13.1405, 7.6060, 14.1402

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.



27.8531, 17.9310, 20.8051



10.4743, 17.9310, 8.5392



21.5608, 17.9310, 53.1020

Square

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



10.4743, 17.9310, 8.5392



12.5752, 17.9310, 50.6955



25.9057, 17.9310, 37.3080



22.4603, 17.9310, 4.7787

Rectangle

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



10.4743, 17.9310, 8.5392



9.7412, 17.9310, 28.3204



25.9057, 17.9310, 37.3080



27.3035, 17.9310, 12.7682

Sweetspot

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



10.4747, 17.9317, 8.5396



30.6974, 37.5031, 33.7295



14.8288, 20.2562, 5.1357



6.7259, 8.3567, 7.3403



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.



10.4747, 17.9317, 8.5396



16.6844, 30.7609, 11.3064



12.5067, 18.7445, 19.2396



4.6711, 5.2267, 5.2793



8.3744, 16.1326, 4.6911



0.0320, 0.0571, 0.0319

Inverse Universe

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



13.1405, 7.6060, 14.1402



21.6581, 11.3190, 21.6249



11.3750, 6.8998, 4.8428



4.7983, 4.7390, 5.5504



11.0559, 5.4867, 10.1327



0.0416, 0.0203, 0.0524

Previews

White Background



This preview shows how the XYZ color 10.4743, 17.9310, 8.5392 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 10.4743, 17.9310, 8.5392 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 10.4743, 17.9310, 8.5392

Background



This preview shows how black text looks on a background with the XYZ color 10.4743, 17.9310, 8.5392.



This preview shows how white text looks on a background with the XYZ color 10.4743, 17.9310,

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

10.4743, 17.9310, 8.5392

Protanopia

16.3118, 17.7486, 7.2687

Deuteranopia

18.0487, 17.7591, 9.1332



Tritanopia

14.0261, 17.7846, 26.3604

Trichromacy



Original Color

10.4743, 17.9310, 8.5392

Protanomaly

12.9669, 17.0890, 7.6161

Deuteranomaly

13.6280, 16.8570, 8.8388

Tritanomaly

12.3504, 17.6826, 18.0914

Monochromacy



Original Color

10.4743, 17.9310, 8.5392

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 10.4743, 17.9310, 8.5392 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(40, 134, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 134, 69) }
```

Border

The CSS property to change the border of an element to XYZ 10.4743, 17.9310, 8.5392 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, 69) }
```


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

```
.border{ border-color:rgb(40, 134, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 134, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 134, 69);  
box-shadow:4px 4px 4px 4px rgb(40, 134,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4743, 17.9310, 8.5392 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, 69) }
```

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

```
.background{ background-color: rgb(40, 134,  
69) }
```

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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