

Converting Colors

XYZ(10.3083, 17.9212, 5.1063)

Have a look what the booklet for
XYZ(10.3083, 17.9212, 5.1063)
contains.

XYZ(10.3083, 17.9212, 5.1063)	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(10.3083, 17.9212,
5.1063)**

Conversions

Conversions Part 1

Format	Color
Hex	33862A
RGB	51, 134, 42
RGB Percent	20%, 53%, 16%
CMY	0.8000, 0.4745, 0.8353
CMYK	0.62, 0.00, 0.69, 0.47
HSL	114°, 52%, 35%
HSV	114°, 69%, 53%
XYZ	10.3083, 17.9212, 5.1063
YIQ	98.6950, -19.9360, -46.2080

Conversions

Conversions Part 2

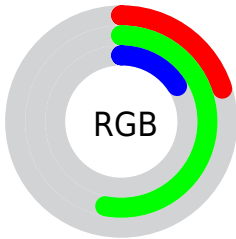
Format	Color
R_{YB}	42, 134, 125
Decimal	3376682
CIE Lab	49.40, -43.45, 40.64
CIE LCh	49, 59.494, 136.920
Yxy	17.9212, 0.3092, 0.5376
Android (android.graphics.Color)	4281566762 (0xFF33862A)
YUV	98.6950, -27.9506, -41.8285
Hunter-Lab	42.3334, -30.6183, 22.4818

Details


The XYZ color **10.3083, 17.9212, 5.1063** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.5894, 7.7377, 23.3325**, and the grayscale version is **11.8551, 12.4725, 13.5825**.

A 20% lighter version of the original color is **25.9784, 39.8649, 16.4507**, and **3.0933, 6.1865, 1.0311** is the 20% darker color. If you saturate the color by 10%, you get **9.5757, 17.5673, 4.0229**, and if you desaturate by 10%, it is **11.2805, 18.3904, 6.6204**.

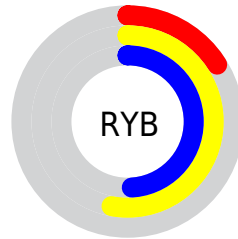
Distribution



 Red (20%)

 Green (53%)

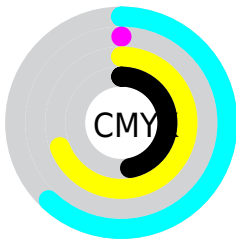
 Blue (16%)




 Red (16%)

 Yellow (53%)

 Blue (49%)

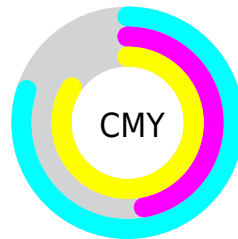


 Cyan (62%)


 Magenta (0%)

 Yellow (69%)

 Black (47%)



 Cyan (80%)

 Magenta (47%)

 Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3083, 17.9212, 5.1063 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 10.3083, 17.9212, 5.1063 by changing the saturation by 10% instead.

■ 10.3083, 17.9212,
5.1063

■ 10.3083, 17.9212,
5.1063

186.8665,
240.4265, 159.8258

■ 5.6677, 10.8934,
2.2499

■ 26.0182, 39.9030,
16.4901

■ 2.6828, 5.9952,
0.7030

■ 37.8183, 55.6258,
25.8545

■ 0.9883, 2.8422,
0.0000

■ 52.7355, 75.0158,
38.2255

■ 0.0000, 1.0499,
0.0000

■ 71.1352, 98.4573,
54.0214

■ 0.0000, 0.0000,
0.0000

■ 93.3828, 126.3347,
73.6608

■ 119.8437,

159.0325, 97.5624

150.8831,
196.9349, 126.1445

■ 10.3083, 17.9212,
5.1063

■ 10.3083, 17.9212,
5.1063

■ 9.5757, 17.5673,
4.0229

■ 11.2805, 18.3904,
6.6204

■ 9.0604, 17.3166,
3.3244

■ 12.5093, 18.9813,
8.6027

■ 8.7280, 17.1542,
2.9028

■ 14.0119, 19.7025,
11.0878

■ 8.6930, 17.1373,
2.8497

■ 15.8035, 20.5611,
14.1067

■ 17.8982, 21.5639,
17.6880

■ 20.3091, 22.7169,
21.8584

■ 23.0486, 24.0261,
26.6425

■ 26.1284, 25.4970,
32.0639

■ 29.5597, 27.1349,
38.1447

Harmonies

Analogous

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



14.0837, 17.9212, 2.3699



10.3083, 17.9212, 5.1063



8.5402, 17.9212, 13.3246

Triad

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



10.3083, 17.9212, 5.1063



14.7076, 17.9212, 67.7086



29.5749, 17.9212, 11.8338

Complementary

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



10.3083, 17.9212, 5.1063



13.5894, 7.7377, 23.3325

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.



29.8459, 17.9212, 27.3710



10.3083, 17.9212, 5.1063



20.3690, 17.9212, 66.4883

Square

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



10.3083, 17.9212, 5.1063



10.6782, 17.9212, 51.8832



26.1873, 17.9212, 49.1249



25.5125, 17.9212, 4.5307

Rectangle

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



10.3083, 17.9212, 5.1063



8.4138, 17.9212, 23.4760



26.1873, 17.9212, 49.1249



30.1393, 17.9212, 16.0234

Sweetspot

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



10.3087, 17.9220, 5.1067



30.4425, 37.4697, 29.2895



17.5586, 19.8531, 5.0973



6.6635, 8.3483, 6.2650



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.



10.3087, 17.9220, 5.1067



16.3580, 30.7014, 6.3748



10.8845, 18.1049, 10.2805



4.6555, 5.2250, 4.9925



8.1512, 16.0620, 2.6707



0.0308, 0.0570, 0.0094

Inverse Universe

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



13.5894, 7.7377, 23.3325



22.4732, 11.4451, 40.7631



12.8271, 7.5915, 12.1481



4.8142, 4.7403, 5.8620



11.4132, 5.4179, 21.5809



0.0428, 0.0204, 0.0749

Previews

White Background



This preview shows how the XYZ color 10.3083, 17.9212, 5.1063 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 ✓ 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 10.3083, 17.9212, 5.1063

Background



This preview shows how black text looks on a background with the XYZ color 10.3083, 17.9212, 5.1063.



This preview shows how white text looks on a background with the XYZ color 10.3083, 17.9212,

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

10.3083, 17.9212, 5.1063

Protanopia

16.0553, 17.6814, 4.3169

Deuteranopia

17.9372, 17.6189, 5.4730



Tritanopia

14.3793, 17.7942, 25.5984

Trichromacy



Original Color

10.3083, 17.9212, 5.1063

Protanomaly

12.9287, 17.1372, 4.5459

Deuteranomaly

13.6655, 16.7784, 5.2076

Tritanomaly

12.1825, 17.4679, 15.0415

Monochromacy



Original Color

10.3083, 17.9212, 5.1063

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.6490, 13.9322, 9.3357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3083, 17.9212, 5.1063 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(51, 134, 42)` looks like.

```
.text, #text, p{  
    color:rgb(51, 134, 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(51, 134, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 134, 42) }
```

Border

The CSS property to change the border of an element to XYZ 10.3083, 17.9212, 5.1063 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(51, 134, 42) }
```


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

```
.border{ border-color:rgb(51, 134, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 134, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 134, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 134, 42);  
box-shadow:4px 4px 4px 4px rgb(51, 134,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3083, 17.9212, 5.1063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 134, 42) }
```

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

```
.background{ background-color: rgb(51, 134,  
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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