

Converting Colors

XYZ(10.3576, 19.8768, 5.3132)

Have a look what the booklet for
XYZ(10.3576, 19.8768, 5.3132)
contains.

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Color

**XYZ(10.3571, 19.8763,
5.2981)**

Conversions

Conversions Part 1

Format	Color
Hex	0C8F28
RGB	12, 143, 40
RGB Percent	5%, 56%, 16%
CMY	0.9529, 0.4392, 0.8431
CMYK	0.92, 0.00, 0.72, 0.44
HSL	133°, 85%, 30%
HSV	133°, 92%, 56%
XYZ	10.3571, 19.8763, 5.2981
YIQ	92.0890, -45.0130, -59.8050

Conversions

Conversions Part 2

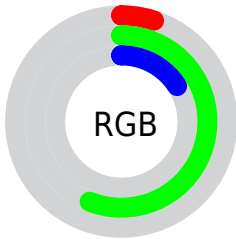
Format	Color
R_{YB}	12, 120, 143
Decimal	823080
CIE _{Lab}	51.70, -52.98, 43.70
CIE _{LCh}	52, 68.678, 140.480
Y _{xy}	19.8763, 0.2915, 0.5594
Android (android.graphics.Color)	4279013160 (0xFF0C8F28)
YUV	92.0890, -25.6799, -70.2381
Hunter-Lab	44.5828, -36.5524, 24.1621

Details

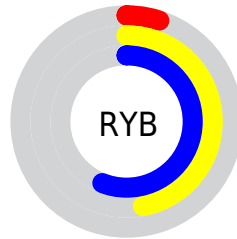
The XYZ color **10.3571, 19.8763, 5.2981** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.5543, 7.3407, 16.8700**, and the grayscale version is **10.2586, 10.7928, 11.7534**.

A 20% lighter version of the original color is **26.1069, 43.2182, 16.8635**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **10.0645, 19.7424, 4.5468**, and if you desaturate by 10%, it is **10.8596, 20.1105, 6.4700**.

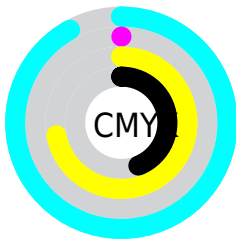
Distribution



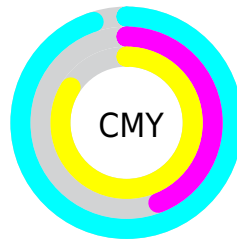
- Red (5%)
- Green (56%)
- Blue (16%)



- Red (5%)
- Yellow (47%)
- Blue (56%)



- Cyan (92%)
- Magenta (0%)
- Yellow (72%)
- Black (44%)





- Cyan (95%)
- Magenta (44%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.3571, 19.8763, 5.2981 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 10.3571, 19.8763, 5.2981 by changing the saturation by 10% instead.


 10.3571, 19.8763,
5.2981


 10.3571, 19.8763,
5.2981


187.2030,
251.2447, 161.7147


 5.7004, 12.3052,
2.3614


 26.1087, 43.2097,
16.9074


 2.7027, 6.9519,
0.7653


 37.9343, 59.7407,
26.4172


 0.9986, 3.4320,
0.0000

 52.8802, 80.0272,
38.9550

 0.0000, 1.3612,
0.0000

 71.3119, 104.4535,
54.9395

 0.0000, 0.1879,
0.0000

 93.5947, 133.4040,
74.7892

 0.0000, 0.0000,
0.0000

 120.0939,

167.2631, 98.9226

151.1748,
206.4152, 127.7583

■ 10.3571, 19.8763,
5.2981

■ 10.3571, 19.8763,
5.2981

■ 10.0645, 19.7424,
4.5468

■ 10.8596, 20.1105,
6.4700

■ 11.6046, 20.4622,
7.9663

■ 12.6202, 20.9461,
9.8096

■ 13.9304, 21.5739,
12.0197

■ 15.5563, 22.3563,
14.6152

■ 17.5171, 23.3029,
17.6132

■ 19.8305, 24.4222,
21.0300

■ 22.5129, 25.7226,
24.8808

■ 25.5796, 27.2115,
29.1800

Harmonies

Analogous

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



14.5985, 19.8763, 1.9562



10.3571, 19.8763, 5.2981



8.5537, 19.8763, 15.9183

Triad

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



10.3571, 19.8763, 5.2981



16.7703, 19.8763, 85.4110



34.3457, 19.8763, 10.8386

Complementary

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



10.3571, 19.8763, 5.2981



14.5543, 7.3407, 16.8700

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.



35.3373, 19.8763, 28.5954



10.3571, 19.8763, 5.2981



23.9538, 19.8763, 80.7813

Square

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



10.3571, 19.8763, 5.2981



11.6113, 19.8763, 66.5111



31.1630, 19.8763, 56.1908



28.7151, 19.8763, 3.5247

Rectangle

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



10.3571, 19.8763, 5.2981



8.5766, 19.8763, 29.3607



31.1630, 19.8763, 56.1908



35.2784, 19.8763, 15.4105

Sweetspot

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



10.3576, 19.8771, 5.2986



32.9636, 42.5011, 33.9190



17.1989, 23.4405, 3.9659



7.2834, 9.6131, 7.3677



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.3576, 19.8771, 5.2986



17.9699, 35.3328, 7.8615



12.4581, 20.7173, 16.3599



5.3871, 6.0471, 6.0045



8.9053, 17.4580, 4.0555



0.0920, 0.1697, 0.0749

Inverse Universe

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



14.5543, 7.3407, 16.8700



25.5026, 12.5445, 28.4188



12.0639, 6.3446, 3.7558



5.5776, 5.4916, 6.5395



12.6310, 6.2094, 14.2401



0.1287, 0.0625, 0.1780

Previews

White Background



This preview shows how the XYZ color 10.3571, 19.8763, 5.2981 looks on a white 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

Black Background



This preview shows how the XYZ color 10.3571, 19.8763, 5.2981 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 10.3571, 19.8763, 5.2981

Background



This preview shows how black text looks on a background with the XYZ color 10.3571, 19.8763, 5.2981.



This preview shows how white text looks on a background with the XYZ color 10.3571, 19.8763,

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

10.3571, 19.8763, 5.2981

Protanopia

17.7029, 19.6056, 4.4413

Deuteranopia

19.7700, 19.3965, 5.7195



Tritanopia

15.2252, 19.7185, 29.3892

Trichromacy



Original Color

10.3571, 19.8763, 5.2981



Protanomaly

12.7302, 18.3741, 4.6259



Deuteranomaly

13.3208, 17.8857, 5.3350



Tritanomaly

12.5020, 19.4242, 16.7260

Monochromacy



Original Color

10.3571, 19.8763, 5.2981



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.9369, 12.9067, 8.3235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3571, 19.8763, 5.2981 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(12, 143, 40)` looks like.

```
.text, #text, p{  
    color:rgb(12, 143, 40)  
}
```

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(12, 143, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 143, 40) }
```

Border

The CSS property to change the border of an element to XYZ 10.3571, 19.8763, 5.2981 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(12, 143, 40) }
```


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

```
.border{ border-color:rgb(12, 143, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 143, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 143, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 143, 40);  
box-shadow:4px 4px 4px 4px rgb(12, 143,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3571, 19.8763, 5.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 143, 40) }
```

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

```
.background{ background-color: rgb(12, 143,  
40) }
```

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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