

Converting Colors

XYZ(10.2233, 19.1528, 7.3967)

Have a look what the booklet for
XYZ(10.2233, 19.1528, 7.3967)
contains.

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Color

**XYZ(10.1937, 19.0824,
7.4210)**

Conversions

Conversions Part 1

Format	Color
Hex	008C3C
RGB	0, 140, 60
RGB Percent	0%, 55%, 24%
CMY	1.0000, 0.4510, 0.7647
CMYK	1.00, 0.00, 0.57, 0.45
HSL	146°, 100%, 27%
HSV	146°, 100%, 55%
XYZ	10.1937, 19.0824, 7.4210
YIQ	89.0200, -57.7600, -54.5600

Conversions

Conversions Part 2

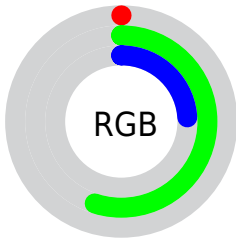
Format	Color
RYB	0, 98, 140
Decimal	35900
CIELab	50.78, -50.30, 33.45
CIELCh	51, 60.408, 146.378
Yxy	19.0824, 0.2778, 0.5200
Android (android.graphics.Color)	4278225980 (0xFF008C3C)
YUV	89.0200, -14.3069, -78.0705
Hunter-Lab	43.6834, -34.7923, 20.5061

Details

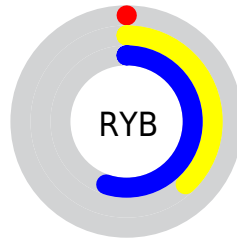
The XYZ color **10.1937, 19.0824, 7.4210** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.2638, 6.1550, 8.1319**, and the grayscale version is **9.5403, 10.0372, 10.9305**.

A 20% lighter version of the original color is **25.8969, 41.9950, 21.4928**, and **3.5501, 7.0036, 1.4813** is the 20% darker color. If you saturate the color by 10%, you get **10.1941, 19.0831, 7.4211**, and if you desaturate by 10%, it is **10.6031, 19.2677, 8.6295**.

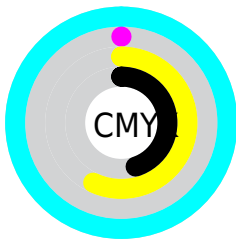
Distribution



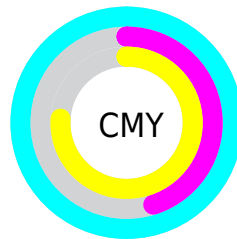
- Red (0%)
- Green (55%)
- Blue (24%)



- Red (0%)
- Yellow (38%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1937, 19.0824, 7.4210 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 10.1937, 19.0824, 7.4210 by changing the saturation by 10% instead.


 10.1937, 19.0824,
7.4210


 10.1937, 19.0824,
7.4210


186.0739,
246.9033, 180.8790


 5.5908, 11.7298,
3.6443


 25.8056, 41.8733,
21.3424


 2.6362, 6.5600,
1.4323


 37.5453, 58.0804,
32.3242


 0.9644, 3.1885,
0.1667

 52.3947, 78.0078,
46.5449

 0.0000, 1.2309,
0.0000

 70.7191, 102.0399,
64.4228

 0.0000, 0.0867,
0.0000

 92.8838, 130.5611,
86.3767

 0.0000, 0.0000,
0.0000

 119.2543,

163.9558, 112.8250

150.1959,
202.6084, 144.1862

■ 10.1937, 19.0824,
7.4210

■ 10.1937, 19.0824,
7.4210

■ 10.1941, 19.0831,
7.4211

■ 10.6031, 19.2677,
8.6295

■ 11.1621, 19.5257,
10.0185

■ 11.9338, 19.8894,
11.5982

■ 12.9415, 20.3705,
13.3758

■ 14.2050, 20.9793,
15.3582

■ 15.7421, 21.7248,
17.5520

■ 17.5687, 22.6149,
19.9634

■ 19.6997, 23.6574,
22.5983

■ 22.1487, 24.8591,
25.4624

Harmonies

Analogous

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



13.5224, 19.0824, 3.0931



10.1937, 19.0824, 7.4210



8.9616, 19.0824, 18.7795

Triad

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



10.1937, 19.0824, 7.4210



17.4255, 19.0824, 73.4842



30.4106, 19.0824, 9.3718

Complementary

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



10.1937, 19.0824, 7.4210



12.2638, 6.1550, 8.1319

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.



32.0862, 19.0824, 22.9124



10.1937, 19.0824, 7.4210



23.6982, 19.0824, 66.0014

Square

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



10.1937, 19.0824, 7.4210



12.5210, 19.0824, 61.6374



29.4039, 19.0824, 44.6540



25.2229, 19.0824, 3.7104

Rectangle

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



10.1937, 19.0824, 7.4210



9.2398, 19.0824, 31.4301



29.4039, 19.0824, 44.6540



31.4461, 19.0824, 12.8532

Sweetspot

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



10.1942, 19.0832, 7.4214



30.7530, 39.7622, 34.9134



12.8295, 20.5360, 3.2878



6.7986, 9.0218, 7.6717



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.1942, 19.0832, 7.4214



17.8946, 33.6123, 12.6759



13.2969, 20.3243, 23.7604



5.0550, 5.6415, 5.8107



9.0671, 16.9594, 6.6440



0.0673, 0.1155, 0.0815

Inverse Universe

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



12.2638, 6.1550, 8.1319



21.5390, 10.8183, 13.9059



10.8800, 5.6015, 0.8451



5.1447, 5.0933, 5.8507



10.9064, 5.4727, 7.2776



0.0798, 0.0393, 0.0871

Previews

White Background



This preview shows how the XYZ color 10.1937, 19.0824, 7.4210 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 10.1937, 19.0824, 7.4210 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 10.1937, 19.0824, 7.4210

Background



This preview shows how black text looks on a background with the XYZ color 10.1937, 19.0824, 7.4210.



This preview shows how white text looks on a background with the XYZ color 10.1937, 19.0824,

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

10.1937, 19.0824, 7.4210

Protanopia

17.3347, 19.0094, 6.2456

Deuteranopia

19.1765, 18.8698, 7.9417



Tritanopia

14.5743, 18.9978, 28.4900

Trichromacy



Original Color

10.1937, 19.0824, 7.4210



Protanomaly

12.1793, 17.6552, 6.5073



Deuteranomaly

12.7492, 17.1652, 7.4917



Tritanomaly

12.1429, 18.5774, 18.2750

Monochromacy



Original Color

10.1937, 19.0824, 7.4210



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

8.4251, 12.1450, 9.1079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1937, 19.0824, 7.4210 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(0, 140, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 60)  
}
```

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(0, 140, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 60) }
```

Border

The CSS property to change the border of an element to XYZ 10.1937, 19.0824, 7.4210 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(0, 140, 60) }
```


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

```
.border{ border-color:rgb(0, 140, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1937, 19.0824, 7.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 60) }
```

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

```
.background{ background-color: rgb(0, 140,  
60) }
```

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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