

Converting Colors

XYZ(10.7145, 18.5784, 9.6470)

Have a look what the booklet for
XYZ(10.7145, 18.5784, 9.6470)
contains.

XYZ(10.7807, 18.6906, 9.6961)	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(10.7807, 18.6906,
9.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	1F894B
RGB	31, 137, 75
RGB Percent	12%, 54%, 29%
CMY	0.8784, 0.4627, 0.7059
CMYK	0.77, 0.00, 0.45, 0.46
HSL	145°, 63%, 33%
HSV	145°, 77%, 54%
XYZ	10.7807, 18.6906, 9.6961
YIQ	98.2380, -43.2740, -41.7540

Conversions

Conversions Part 2

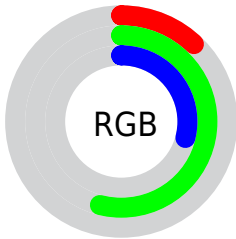
Format	Color
RYB	31, 106, 137
Decimal	2066763
CIELab	50.32, -43.84, 25.04
CIElCh	50, 50.490, 150.270
Yxy	18.6906, 0.2752, 0.4772
Android (android.graphics.Color)	4280256843 (0xFF1F894B)
YUV	98.2380, -11.4563, -58.9677
Hunter-Lab	43.2326, -31.1455, 16.9654

Details

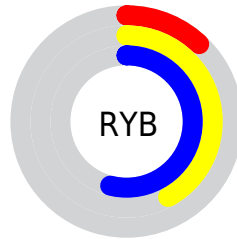
The XYZ color **10.7807, 18.6906, 9.6961** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.7828, 7.0889, 11.0508**, and the grayscale version is **11.7045, 12.3140, 13.4100**.

A 20% lighter version of the original color is **26.8467, 41.0694, 25.9143**, and **3.5496, 6.7443, 2.2771** is the 20% darker color. If you saturate the color by 10%, you get **10.1954, 18.4191, 8.3263**, and if you desaturate by 10%, it is **11.5770, 19.0679, 11.2570**.

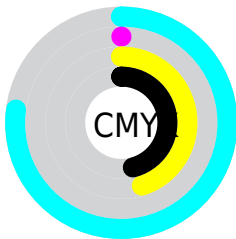
Distribution



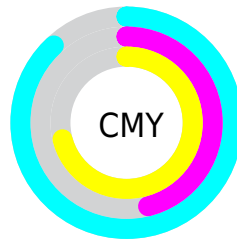
- Red (12%)
- Green (54%)
- Blue (29%)



- Red (12%)
- Yellow (42%)
- Blue (54%)



- Cyan (77%)
- Magenta (0%)
- Yellow (45%)
- Black (46%)





- Cyan (88%)
- Magenta (46%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7807, 18.6906, 9.6961 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 10.7807, 18.6906, 9.6961 by changing the saturation by 10% instead.


 10.7807, 18.6906,
9.6961


 10.7807, 18.6906,
9.6961


190.0963,
244.7353, 198.8945


 5.9858, 11.4469,
5.0950


 26.8905, 41.2106,
25.8211


 2.8770, 6.3683,
2.2434


 38.9361, 57.2558,
38.1821


 1.0891, 3.0703,
0.6992

 54.1292, 77.0035,
53.9668

 0.0159, 1.1685,
0.0000

 72.8353, 100.8383,
73.5937

 0.0000, 0.0358,
0.0000

 95.4197, 129.1445,
97.4814

 0.0000, 0.0000,
0.0000

 122.2478,

162.3064, 126.0484

153.6849,
200.7086, 159.7132

■ 10.7807, 18.6906,
9.6961

■ 10.7807, 18.6906,
9.6961

■ 10.1954, 18.4191,
8.3263

■ 11.5770, 19.0679,
11.2570

■ 9.7799, 18.2308,
7.1378

■ 12.6039, 19.5595,
13.0150

■ 9.6813, 18.1861,
6.8539

■ 13.8802, 20.1753,
14.9775

■ 15.4223, 20.9237,
17.1510

■ 17.2451, 21.8124,
19.5416

■ 19.3624, 22.8483,
22.1554

■ 21.7871, 24.0378,
24.9980

■ 24.5312, 25.3872,
28.0749

■ 27.6062, 26.9022,
31.3915

Harmonies

Analogous

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



13.4301, 18.6906, 4.8189



10.7807, 18.6906, 9.6961



9.9169, 18.6906, 20.4782

Triad

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



10.7807, 18.6906, 9.6961



17.8093, 18.6906, 60.9615



27.1972, 18.6906, 9.5625

Complementary

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



10.7807, 18.6906, 9.6961



12.7828, 7.0889, 11.0508

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.



28.9376, 18.6906, 20.2241



10.7807, 18.6906, 9.6961



22.9445, 18.6906, 53.6392

Square

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



10.7807, 18.6906, 9.6961



13.4939, 18.6906, 53.8820



27.2561, 18.6906, 36.8600



22.8535, 18.6906, 4.7704

Rectangle

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



10.7807, 18.6906, 9.6961



10.3173, 18.6906, 31.1914



27.2561, 18.6906, 36.8600



28.1382, 18.6906, 12.3675

Sweetspot

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



10.7812, 18.6914, 9.6965



32.2831, 39.7455, 36.7550



13.8714, 20.4026, 4.5034



6.9820, 8.7882, 7.9193



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.7812, 18.6914, 9.6965



17.6791, 32.7221, 13.2483



13.3030, 19.7001, 22.9764



5.0523, 5.6404, 5.7966



9.0235, 16.9420, 6.4143



0.0670, 0.1154, 0.0795

Inverse Universe

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



12.7828, 7.0889, 11.0508



21.4049, 10.9163, 15.6144



11.2177, 6.4629, 2.8095



5.1475, 5.0944, 5.8650



10.9692, 5.4978, 7.6079



0.0802, 0.0394, 0.0890

Previews

White Background



This preview shows how the XYZ color 10.7807, 18.6906, 9.6961 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 10.7807, 18.6906, 9.6961 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 10.7807, 18.6906, 9.6961

Background



This preview shows how black text looks on a background with the XYZ color 10.7807, 18.6906, 9.6961.



This preview shows how white text looks on a background with the XYZ color 10.7807, 18.6906,

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

10.7807, 18.6906, 9.6961

Protanopia

17.0003, 18.4363, 8.1314

Deuteranopia

18.6578, 18.3795, 10.3488



Tritanopia

14.4612, 18.7583, 27.6695

Trichromacy



Original Color

10.7807, 18.6906, 9.6961

Protanomaly

13.3175, 17.8095, 8.6969

Deuteranomaly

13.8503, 17.3084, 10.0080

Tritanomaly

12.7588, 18.6644, 19.4531

Monochromacy



Original Color

10.7807, 18.6906, 9.6961

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.4637, 13.7824, 11.7816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7807, 18.6906, 9.6961 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(31, 137, 75)` looks like.

```
.text, #text, p{  
    color:rgb(31, 137, 75)  
}
```

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(31, 137, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 137, 75) }
```

Border

The CSS property to change the border of an element to XYZ 10.7807, 18.6906, 9.6961 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(31, 137, 75) }
```


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

```
.border{ border-color:rgb(31, 137, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 137, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 137, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 137, 75);  
box-shadow:4px 4px 4px 4px rgb(31, 137,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7807, 18.6906, 9.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 137, 75) }
```

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

```
.background{ background-color: rgb(31, 137,  
75) }
```

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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