

Converting Colors

XYZ(12.0094, 19.1821, 16.1663)

Have a look what the booklet for
XYZ(12.0094, 19.1821, 16.1663)
contains.

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Color

**XYZ(12.0094, 19.1821,
16.1663)**

Conversions

Conversions Part 1

Format	Color
Hex	1F8968
RGB	31, 137, 104
RGB Percent	12%, 54%, 41%
CMY	0.8784, 0.4627, 0.5922
CMYK	0.77, 0.00, 0.24, 0.46
HSL	161°, 63%, 33%
HSV	161°, 77%, 54%
XYZ	12.0094, 19.1821, 16.1663
YIQ	101.5440, -52.5830, -32.7350

Conversions

Conversions Part 2

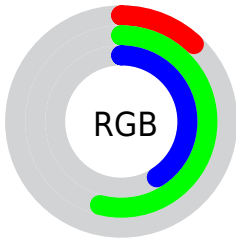
Format	Color
RYB	31, 94, 137
Decimal	2066792
CIELab	50.90, -37.46, 9.44
CIELCh	51, 38.633, 165.857
Yxy	19.1821, 0.2536, 0.4050
Android (android.graphics.Color)	4280256872 (0xFF1F8968)
YUV	101.5440, 1.2108, -61.8671
Hunter-Lab	43.7974, -27.7001, 8.7733

Details

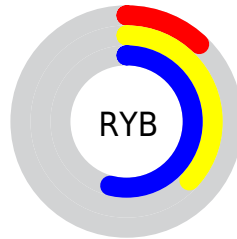
The XYZ color **12.0094, 19.1821, 16.1663** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.7325, 6.6689, 5.5199**, and the grayscale version is **12.5177, 13.1696, 14.3417**.

A 20% lighter version of the original color is **29.0614, 41.9553, 37.5768**, and **4.0663, 6.9510, 4.9983** is the 20% darker color. If you saturate the color by 10%, you get **11.4701, 18.9290, 15.0388**, and if you desaturate by 10%, it is **12.7362, 19.5316, 17.3606**.

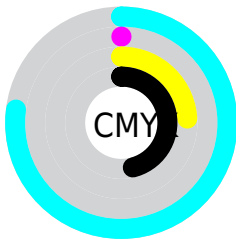
Distribution



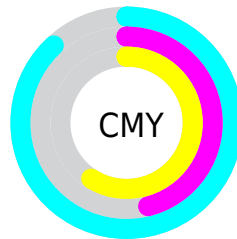
- Red (12%)
- Green (54%)
- Blue (41%)



- Red (12%)
- Yellow (37%)
- Blue (54%)



- Cyan (77%)
- Magenta (0%)
- Yellow (24%)
- Black (46%)



- Cyan (88%)
- Magenta (46%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0094, 19.1821, 16.1663 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 12.0094, 19.1821, 16.1663 by changing the saturation by 10% instead.

■ 12.0094, 19.1821,
16.1663

■ 12.0094, 19.1821,
16.1663

198.2362,
247.4522, 242.2001

■ 6.8223, 11.8019,
9.4863

■ 29.1289, 42.0416,
37.6575

■ 3.3966, 6.6090,
4.9586

■ 41.7921, 58.2897,
53.3057

■ 1.3668, 3.2188,
2.1647

■ 57.6780, 78.2626,
72.7804

■ 0.2324, 1.2470,
0.6539

■ 77.1520, 102.3446,
96.5002

■ 0.0000, 0.0996,
0.0000

■ 100.5795,
130.9202, 124.8835

■ 0.0000, 0.0000,
0.0000

■ 128.3258,

164.3737, 158.3489

160.7562,
203.0896, 197.3149

■ 12.0094, 19.1821,
16.1663

■ 12.0094, 19.1821,
16.1663

■ 11.4701, 18.9290,
15.0388

■ 12.7362, 19.5316,
17.3606

■ 11.0781, 18.7501,
13.9743

■ 13.6688, 19.9854,
18.6222

■ 10.9821, 18.7064,
13.7039

■ 14.8252, 20.5533,
19.9530

■ 16.2208, 21.2431,
21.3547

■ 17.8695, 22.0622,
22.8287

■ 19.7844, 23.0171,
24.3762

■ 21.9774, 24.1140,
25.9987

■ 24.4598, 25.3587,
27.6974

■ 27.2423, 26.7567,
29.4734

Harmonies

Analogous

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



13.4629, 19.1821, 9.4143



12.0094, 19.1821, 16.1663



12.0524, 19.1821, 27.1611

Triad

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



12.0094, 19.1821, 16.1663



20.3084, 19.1821, 48.2769



23.8266, 19.1821, 9.1558

Complementary

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



12.0094, 19.1821, 16.1663



11.7325, 6.6689, 5.5199

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.



26.2285, 19.1821, 15.6606



12.0094, 19.1821, 16.1663



24.0123, 19.1821, 39.1768

Square

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



12.0094, 19.1821, 16.1663



16.4994, 19.1821, 48.5615



26.3009, 19.1821, 26.4451



20.0818, 19.1821, 6.4296

Rectangle

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



12.0094, 19.1821, 16.1663



12.9144, 19.1821, 35.7487



26.3009, 19.1821, 26.4451



24.8394, 19.1821, 10.8470

Sweetspot

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



12.0099, 19.1829, 16.1667



33.2668, 40.1390, 41.9353



11.3449, 19.1001, 4.3853



7.2274, 8.8863, 9.2116



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.



12.0099, 19.1829, 16.1667



19.9976, 33.6495, 25.4573



11.5085, 14.9532, 25.9475



5.1077, 5.6625, 6.0879



10.2349, 17.4266, 12.7937



0.0746, 0.1184, 0.1198

Inverse Universe

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



11.7325, 6.6689, 5.5199



19.5431, 10.1715, 5.8103



11.7236, 7.7362, 2.1719



5.0928, 5.0726, 5.5774



10.0150, 5.1161, 2.5834



0.0725, 0.0364, 0.0488

Previews

White Background



This preview shows how the XYZ color 12.0094, 19.1821, 16.1663 looks on a white background.

Color Contrast Check

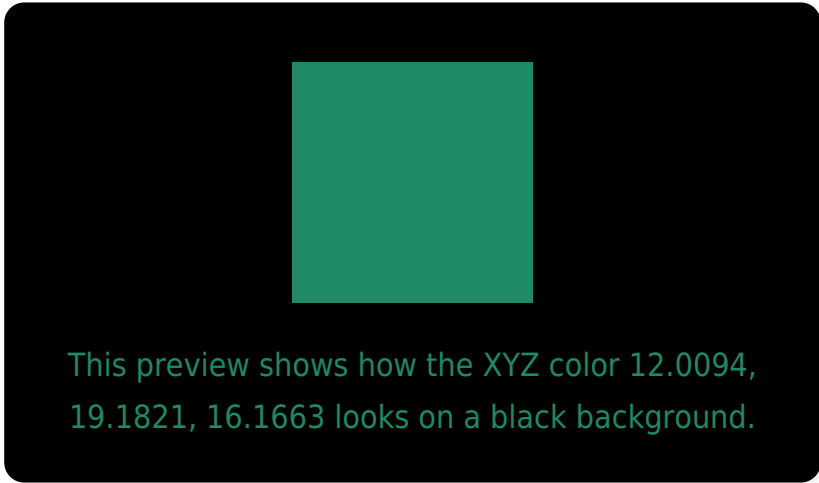
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

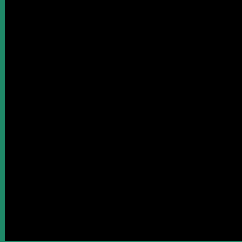
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0094, 19.1821, 16.1663

Background



This preview shows how black text looks on a background with the XYZ color 12.0094, 19.1821, 16.1663.



This preview shows how white text looks on a background with the XYZ color 12.0094, 19.1821,

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

12.0094, 19.1821, 16.1663

Protanopia

17.7299, 18.8667, 13.7735

Deuteranopia

19.1591, 18.8291, 17.0926



Tritanopia

14.6254, 19.2158, 28.9248

Trichromacy



Original Color

12.0094, 19.1821, 16.1663

Protanomaly

14.2272, 18.1497, 14.5578

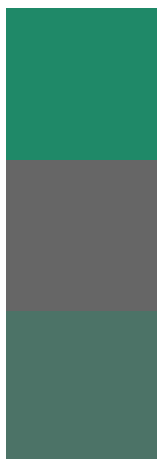
Deuteranomaly

14.8985, 18.0735, 16.6132

Tritanomaly

13.5263, 19.1706, 23.7563

Monochromacy



Original Color

12.0094, 19.1821, 16.1663

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.5594, 14.7772, 15.0750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0094, 19.1821, 16.1663 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(31, 137, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 137, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.0094, 19.1821, 16.1663 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, 104) }
```


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

```
.border{ border-color:rgb(31, 137, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 137, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 137, 104);  
box-shadow:4px 4px 4px 4px rgb(31, 137,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0094, 19.1821, 16.1663 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, 104) }
```

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

```
.background{ background-color: rgb(31, 137,  
104) }
```

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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