

Converting Colors

XYZ(11.9518, 17.8303, 16.1276)

Have a look what the booklet for
XYZ(11.9518, 17.8303, 16.1276)
contains.

XYZ(12.0313, 17.9563, 16.1964)	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(12.0313, 17.9563,
16.1964)**

Conversions

Conversions Part 1

Format	Color
Hex	338369
RGB	51, 131, 105
RGB Percent	20%, 51%, 41%
CMY	0.8000, 0.4863, 0.5882
CMYK	0.61, 0.00, 0.20, 0.49
HSL	160°, 44%, 36%
HSV	160°, 61%, 51%
XYZ	12.0313, 17.9563, 16.1964
YIQ	104.1160, -39.3340, -25.0460

Conversions

Conversions Part 2

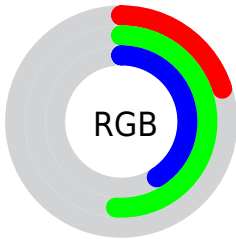
Format	Color
RYB	51, 99, 131
Decimal	3375977
CIELab	49.44, -31.03, 6.86
CIELCh	49, 31.781, 167.529
Yxy	17.9563, 0.2605, 0.3888
Android (android.graphics.Color)	4281566057 (0xFF338369)
YUV	104.1160, 0.4358, -46.5827
Hunter-Lab	42.3749, -23.4754, 7.0008




Details

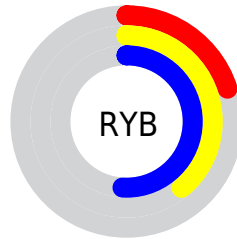
The XYZ color **12.0313, 17.9563, 16.1964** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.8840, 7.7291, 7.8872**, and the grayscale version is **13.1959, 13.8832, 15.1188**.




A 20% lighter version of the original color is **29.2936, 40.1624, 37.6607**, and **3.7062, 6.1903, 5.0025** is the 20% darker color. If you saturate the color by 10%, you get **11.2487, 17.5780, 15.0461**, and if you desaturate by 10%, it is **13.0119, 18.4363, 17.4139**.

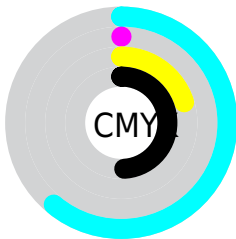
Distribution







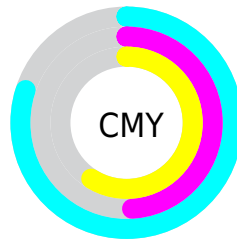
-  Red (20%)
-  Green (51%)
-  Blue (41%)






-  Red (20%)
-  Yellow (39%)
-  Blue (51%)



-  Cyan (61%)
-  Magenta (0%)
-  Yellow (20%)
-  Black (49%)



-  Cyan (80%)
-  Magenta (49%)
-  Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0313, 17.9563, 16.1964 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 12.0313, 17.9563, 16.1964 by changing the saturation by 10% instead.

■ 12.0313, 17.9563,
16.1964

■ 12.0313, 17.9563,
16.1964

198.3781,
240.6246, 242.3830

■ 6.8373, 10.9186,
9.5074

■ 29.1685, 39.9628,
37.7104

■ 3.4060, 6.0121,
4.9723

■ 41.8424, 55.7005,
53.3724

■ 1.3719, 2.8525,
2.1725

■ 57.7403, 75.1069,
72.8625

■ 0.2361, 1.0552,
0.6585

■ 77.2277, 98.5665,
96.5992

■ 0.0000, 0.0000,
0.0000

■ 100.6698,
126.4637, 125.0010

■ 128.4320,

159.1829, 158.4866

160.8796,
197.1084, 197.4744

■ 12.0313, 17.9563,
16.1964

■ 12.0313, 17.9563,
16.1964

■ 11.2487, 17.5780,
15.0461

■ 13.0119, 18.4363,
17.4139

■ 10.6464, 17.2909,
13.9603

■ 14.2033, 19.0233,
18.6990

■ 10.2058, 17.0859,
12.9376

■ 15.6191, 19.7247,
20.0533

■ 9.8957, 16.9449,
12.0742

■ 17.2713, 20.5466,
21.4784

■ 19.1707, 21.4946,
22.9753

■ 21.3279, 22.5742,
24.5454

■ 23.7525, 23.7902,
26.1899

■ 26.4537, 25.1475,
27.9099

■ 29.4404, 26.6505,
29.7066

Harmonies

Analogous

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



13.1557, 17.9563, 10.3833



12.0313, 17.9563, 16.1964



12.1360, 17.9563, 24.9614

Triad

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



12.0313, 17.9563, 16.1964



18.8640, 17.9563, 39.9152



21.2658, 17.9563, 9.7217

Complementary

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



12.0313, 17.9563, 16.1964



11.8840, 7.7291, 7.8872

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.



23.1798, 17.9563, 14.9856



12.0313, 17.9563, 16.1964



21.6854, 17.9563, 32.9626

Square

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



12.0313, 17.9563, 16.1964



15.8513, 17.9563, 40.5256



23.3418, 17.9563, 23.3403



18.3432, 17.9563, 7.4499

Rectangle

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



12.0313, 17.9563, 16.1964



12.8887, 17.9563, 31.4409



23.3418, 17.9563, 23.3403



22.0626, 17.9563, 11.1154

Sweetspot

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



12.0318, 17.9570, 16.1968



31.7864, 37.2212, 39.1602



11.8290, 18.0780, 5.9981



7.2084, 8.5701, 8.9610



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.



12.0318, 17.9570, 16.1968



19.7176, 31.2732, 26.2270



11.9017, 15.2216, 23.7843



4.7389, 5.2538, 5.6365



9.7417, 16.6795, 11.8913



0.0371, 0.0591, 0.0589

Inverse Universe

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



11.8840, 7.7291, 7.8872



19.4506, 11.2879, 10.0989



11.8104, 8.7692, 4.2023



4.7304, 4.7118, 5.1924



9.6363, 4.9189, 2.6572



0.0365, 0.0183, 0.0254

Previews

White Background



This preview shows how the XYZ color 12.0313, 17.9563, 16.1964 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



This preview shows how the XYZ color 12.0313, 17.9563, 16.1964 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 12.0313, 17.9563, 16.1964

Background



This preview shows how black text looks on a background with the XYZ color 12.0313, 17.9563, 16.1964.



This preview shows how white text looks on a background with the XYZ color 12.0313, 17.9563,

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

12.0313, 17.9563, 16.1964

Protanopia

16.7343, 17.8154, 14.1120

Deuteranopia

18.0255, 17.7397, 16.9421



Tritanopia

14.1546, 18.0416, 26.4033

Trichromacy



Original Color

12.0313, 17.9563, 16.1964

Protanomaly

14.2383, 17.4000, 14.9200

Deuteranomaly

14.9027, 17.3404, 16.7489

Tritanomaly

13.2245, 17.8488, 22.1502

Monochromacy



Original Color

12.0313, 17.9563, 16.1964

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.2623, 14.9654, 15.3390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0313, 17.9563, 16.1964 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, 131, 105)` looks like.

```
.text, #text, p{  
    color:rgb(51, 131, 105)  
}
```

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, 131, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 131, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.0313, 17.9563, 16.1964 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, 131, 105) }
```


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

```
.border{ border-color:rgb(51, 131, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 131, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 131, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 131, 105);  
box-shadow:4px 4px 4px 4px rgb(51, 131,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0313, 17.9563, 16.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 131, 105) }
```

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

```
.background{ background-color: rgb(51, 131,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor