

Converting Colors

XYZ(1.6163, 1.9711, 1.8521)

Have a look what the booklet for
XYZ(1.6163, 1.9711, 1.8521)
contains.

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Color

XYZ(1.6317, 1.9832, 1.8869)

Conversions

Conversions Part 1

Format	Color
Hex	1E2923
RGB	30, 41, 35
RGB Percent	12%, 16%, 14%
CMY	0.8824, 0.8392, 0.8627
CMYK	0.27, 0.00, 0.15, 0.84
HSL	147°, 15%, 14%
HSV	147°, 27%, 16%
XYZ	1.6317, 1.9832, 1.8869
YIQ	37.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

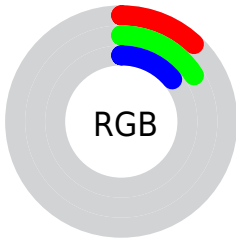
Format	Color
R_{YB}	30, 38, 41
Decimal	1976611
CIE Lab	15.40, -6.36, 2.38
CIE LCh	15, 6.786, 159.469
Yxy	1.9832, 0.2966, 0.3605
Android (android.graphics.Color)	4280166691 (0xFF1E2923)
YUV	37.0270, -0.9993, -6.1627
Hunter-Lab	14.0826, -3.9624, 1.9137

Details

The XYZ color **1.6317, 1.9832, 1.8869** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1.6972, 1.5274, 1.8744**, and the grayscale version is **1.7618, 1.8535, 2.0185**.

A 20% lighter version of the original color is **7.5631, 8.6759, 8.6731**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **1.4876, 1.9127, 1.7124**, and if you desaturate by 10%, it is **1.7936, 2.0628, 2.0734**.

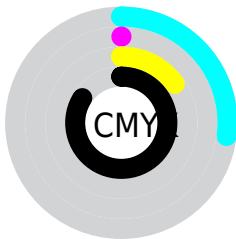
Distribution



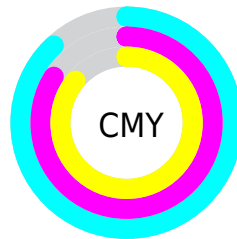
- Red (12%)
- Green (16%)
- Blue (14%)



- Red (12%)
- Yellow (15%)
- Blue (16%)



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (84%)



- Cyan (88%)
- Magenta (84%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 1.6317, 1.9832, 1.8869 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 1.6317, 1.9832, 1.8869 by changing the saturation by 10% instead.

■ 1.6317, 1.9832,
1.8869

■ 1.6317, 1.9832,
1.8869

105.0236,
114.6224, 120.5951

■ 0.4129, 0.5977,
0.4844

■ 7.5771, 8.6993,
8.7292

■ 0.0000, 0.0000,
0.0000

■ 13.1031, 14.8288,
15.0813


■ 20.8186, 23.3184,
23.9454


■ 31.0887, 34.5526,
35.7401


■ 44.2789, 48.9157,
50.8839


■ 60.7546, 66.7921,


69.7952


 80.8810, 88.5662,
92.8928


 1.6317, 1.9832,
1.8869


 1.6317, 1.9832,
1.8869


 1.4876, 1.9127,
1.7124


 1.7936, 2.0628,
2.0734


 1.3606, 1.8507,
1.5494


 1.9738, 2.1514,
2.2720


 1.2499, 1.7969,
1.3979

 2.1729, 2.2496,
2.4830

 1.1550, 1.7509,
1.2576

 2.3914, 2.3575,
2.7065

 1.0749, 1.7124,
1.1282

 2.6299, 2.4755,
2.9428

■ 1.0014, 1.6771,
1.0090

■ 2.8889, 2.6038,
3.1921

■ 0.9297, 1.6425,
0.8997

■ 3.1688, 2.7426,
3.4546

■ 0.9074, 1.6317,
0.8671

■ 3.4702, 2.8922,
3.7304

■ 3.7935, 3.0527,
4.0198

Harmonies

Analogous

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



1.7104, 1.9832, 1.5912



1.6317, 1.9832, 1.8869



1.6189, 1.9832, 2.2957

Triad

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



1.6317, 1.9832, 1.8869



1.9320, 1.9832, 3.0635



2.1125, 1.9832, 1.6832

Complementary

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



1.6317, 1.9832, 1.8869



1.6972, 1.5274, 1.8744

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.



2.1787, 1.9832, 2.0285



1.6317, 1.9832, 1.8869



2.0710, 1.9832, 2.8489

Square

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



1.6317, 1.9832, 1.8869



1.7873, 1.9832, 3.0126



2.1632, 1.9832, 2.4569



1.9862, 1.9832, 1.4846

Rectangle

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



1.6317, 1.9832, 1.8869



1.6487, 1.9832, 2.5840



2.1632, 1.9832, 2.4569



2.1428, 1.9832, 1.7840

Sweetspot

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



1.6318, 1.9833, 1.8869



3.1801, 3.4971, 3.6641



1.7566, 2.0556, 1.5325



1.0157, 1.1196, 1.1706



31.3992, 33.0344, 35.9744



1.1069, 1.1645, 1.2682

Same Dimension

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



1.6318, 1.9833, 1.8869



2.4989, 3.1626, 2.8817



1.7191, 2.0182, 2.3468



0.6335, 0.6946, 0.7297



3.5359, 6.5055, 2.9243



25.5769, 47.7605, 18.9869

Inverse Universe

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



1.6972, 1.5274, 1.8744



2.6292, 2.2542, 2.8566



1.6202, 1.4965, 1.4689



0.6405, 0.6460, 0.7284



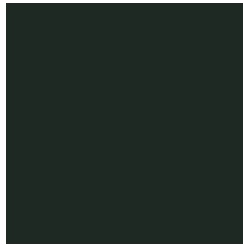
4.1608, 2.0882, 2.7581



30.1707, 15.1931, 17.6961

Previews

White Background



This preview shows how the XYZ color 1.6317, 1.9832, 1.8869 looks on a white background.

Color Contrast Check

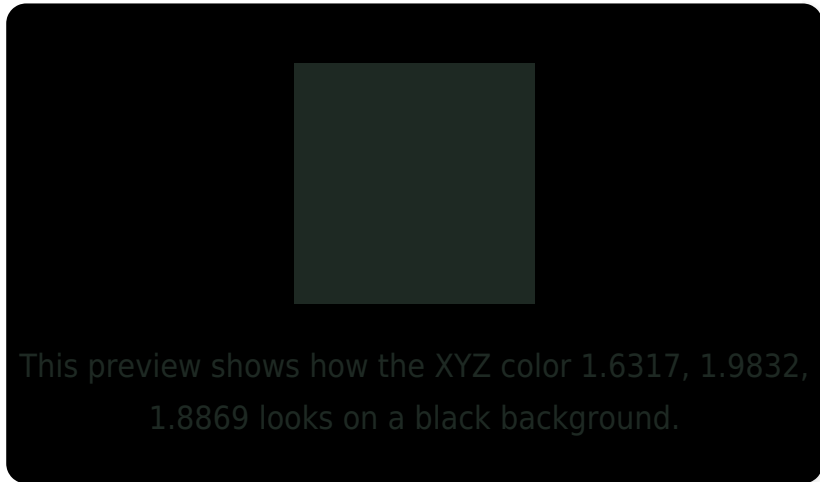
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

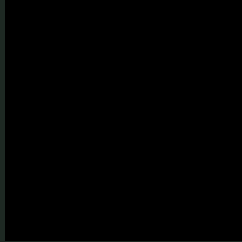
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

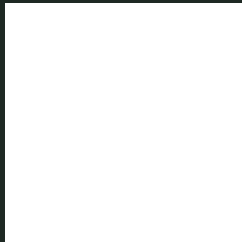
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 1.6317, 1.9832, 1.8869

Background



This preview shows how black text looks on a background with the XYZ color 1.6317, 1.9832, 1.8869.

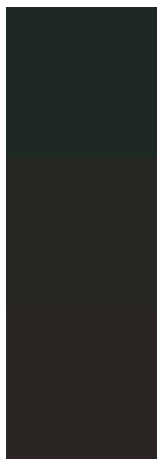


This preview shows how white text looks on a background with the XYZ color 1.6317, 1.9832, 1.8869.

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

1.6317, 1.9832, 1.8869

Protanopia

1.8569, 1.9528, 1.7924

Deuteranopia

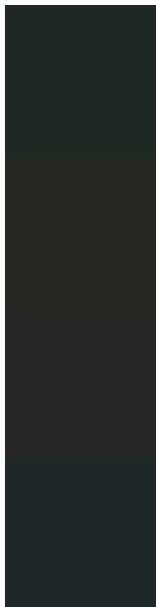
1.9763, 1.9641, 1.9440



Tritanopia

1.7905, 1.9991, 2.5770

Trichromacy



Original Color

1.6317, 1.9832, 1.8869

Protanomaly

1.7418, 1.9416, 1.7963

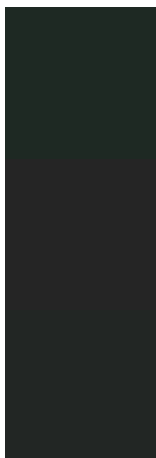
Deuteranomaly

1.8109, 1.9257, 1.9453

Tritanomaly

1.7069, 1.9621, 2.2962

Monochromacy



Original Color

1.6317, 1.9832, 1.8869

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

1.6712, 1.8537, 1.9388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.6317, 1.9832, 1.8869 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(30, 41, 35) looks like.

```
.text, #text, p{  
    color:rgb(30, 41, 35)  
}
```

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(30, 41, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 41, 35) }
```

Border

The CSS property to change the border of an element to XYZ 1.6317, 1.9832, 1.8869 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(30, 41, 35) }
```

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

```
.border{ border-color:rgb(30, 41, 35) }
```

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

Here you see how a box with a 4 pixel rgb(30, 41, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 41, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 41, 35);  
box-shadow:4px 4px 4px 4px rgb(30, 41, 35)  
}
```


Background

The CSS property to change the background color of an element to XYZ 1.6317, 1.9832, 1.8869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 41, 35) }
```

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

```
.background{ background-color: rgb(30, 41,  
35) }
```

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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