

Converting Colors

XYZ(17.8650, 13.7699, 3.1551)

Have a look what the booklet for
XYZ(17.8650, 13.7699, 3.1551)
contains.

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Color

**XYZ(17.8650, 13.7699,
3.1551)**

Conversions

Conversions Part 1

Format	Color
Hex	A05321
RGB	160, 83, 33
RGB Percent	63%, 33%, 13%
CMY	0.3726, 0.6745, 0.8706
CMYK	0.00, 0.48, 0.79, 0.37
HSL	24°, 66%, 38%
HSV	24°, 79%, 63%
XYZ	17.8650, 13.7699, 3.1551
YIQ	100.3230, 61.9420, 0.7740

Conversions

Conversions Part 2

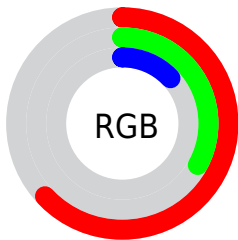
Format	Color
RYB	160, 115, 33
Decimal	10507041
CIELab	43.90, 28.22, 41.85
CIElCh	44, 50.472, 56.008
Yxy	13.7699, 0.5135, 0.3958
Android (android.graphics.Color)	4288697121 (0xFFA05321)
YUV	100.3230, -33.1902, 52.3367
Hunter-Lab	37.1078, 20.9975, 20.9343

Details

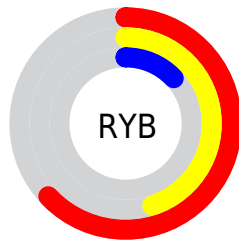
The XYZ color **17.8650, 13.7699, 3.1551** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.5479, 14.0124, 35.3009**, and the grayscale version is **12.2673, 12.9061, 14.0548**.

A 20% lighter version of the original color is **39.5255, 32.8599, 12.0440**, and **6.2244, 4.1453, 0.4721** is the 20% darker color. If you saturate the color by 10%, you get **17.0009, 12.3193, 2.0122**, and if you desaturate by 10%, it is **18.9401, 15.4724, 4.8941**.

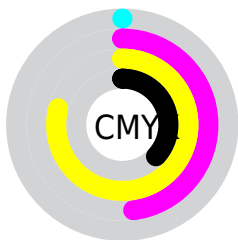
Distribution



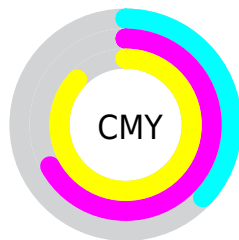
- Red (63%)
- Green (33%)
- Blue (13%)



- Red (63%)
- Yellow (45%)
- Blue (13%)



- Cyan (0%)
- Magenta (48%)
- Yellow (79%)
- Black (37%)





- Cyan (37%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8650, 13.7699, 3.1551 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 17.8650, 13.7699, 3.1551 by changing the saturation by 10% instead.


 17.8650, 13.7699,
3.1551


 17.8650, 13.7699,
3.1551


233.1693,
215.7946, 138.3122


 10.9522, 7.9608,
1.1744


 39.3390, 32.6802,
12.0088


 6.1018, 4.0699,
0.0000


 54.6310, 46.5502,
19.7189


 2.9483, 1.7127,
0.0000

 73.4467, 63.8759,
30.1758

 1.1265, 0.4319,
0.0000

 96.1516, 85.0418,
43.7981

 0.0471, 0.0000,
0.0000

 123.1109,
110.4322, 61.0044

 0.0000, 0.0000,
0.0000

 154.6901,

140.4315, 82.2131

191.2544,
175.4242, 107.8429

17.8650, 13.7699,
3.1551

17.8650, 13.7699,
3.1551

17.0009, 12.3193,
2.0122

18.9401, 15.4724,
4.8941

16.3138, 11.0981,
1.3111

20.2426, 17.4379,
7.3002

16.2745, 11.0283,
1.2709

21.7882, 19.6793,
10.4350

23.5906, 22.2081,
14.3528

25.6623, 25.0347,
19.1028

■ 28.0150, 28.1692,
24.7300

■ 30.6596, 31.6211,
31.2761

■ 33.6065, 35.3993,
38.7802

■ 36.8654, 39.5126,
47.2792

Harmonies

Analogous

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



21.2688, 13.7699, 7.2722



17.8650, 13.7699, 3.1551



13.6295, 13.7699, 2.0180

Triad

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



17.8650, 13.7699, 3.1551



6.8272, 13.7699, 13.5144



16.7503, 13.7699, 44.6959

Complementary

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



17.8650, 13.7699, 3.1551



12.5479, 14.0124, 35.3009

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.



12.5608, 13.7699, 49.3492



17.8650, 13.7699, 3.1551



7.3307, 13.7699, 26.8453

Square

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



17.8650, 13.7699, 3.1551



7.6998, 13.7699, 5.7557



9.2487, 13.7699, 41.6008



20.5388, 13.7699, 30.9459

Rectangle

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



17.8650, 13.7699, 3.1551



11.0832, 13.7699, 2.2352



9.2487, 13.7699, 41.6008



15.3207, 13.7699, 47.6020

Sweetspot

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



17.8653, 13.7706, 3.1553



48.6286, 48.1803, 39.4994



17.9278, 9.7160, 16.0611



10.3580, 10.1561, 7.9337



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.8653, 13.7706, 3.1553



29.9249, 20.6825, 2.7152



24.9251, 27.8902, 5.5086



6.8366, 7.0532, 6.9867



12.7182, 8.6720, 1.0035



0.2673, 0.2349, 0.0312

Inverse Universe

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



12.5479, 14.0124, 35.3009



19.7530, 20.8780, 63.3753



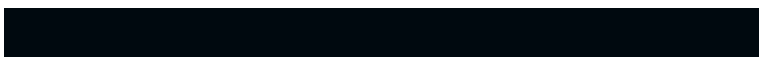
8.0219, 4.9604, 33.7922



6.6024, 7.0706, 8.4235



8.3166, 8.7248, 27.1530



0.1891, 0.2367, 0.4990

Previews

White Background



This preview shows how the XYZ color 17.8650, 13.7699, 3.1551 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 17.8650, 13.7699, 3.1551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

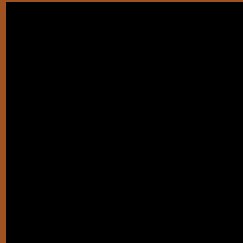
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8650, 13.7699, 3.1551

Background



This preview shows how black text looks on a background with the XYZ color 17.8650, 13.7699, 3.1551.



This preview shows how white text looks on a background with the XYZ color 17.8650, 13.7699,

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

17.8650, 13.7699, 3.1551

Protanopia

12.7539, 14.0315, 3.9556

Deuteranopia

14.0197, 13.8281, 2.9671



Tritanopia

19.1860, 13.7547, 9.8273

Trichromacy



Original Color

17.8650, 13.7699, 3.1551

Protanomaly

14.2815, 13.6695, 3.6360

Deuteranomaly

15.2915, 13.6682, 2.9947

Tritanomaly

18.5207, 13.6960, 6.6685

Monochromacy



Original Color

17.8650, 13.7699, 3.1551

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.3332, 12.6648, 8.5793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8650, 13.7699, 3.1551 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(160, 83, 33)` looks like.

```
.text, #text, p{  
    color:rgb(160, 83, 33)  
}
```

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(160, 83, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 83, 33) }
```

Border

The CSS property to change the border of an element to XYZ 17.8650, 13.7699, 3.1551 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(160, 83, 33) }
```


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

```
.border{ border-color:rgb(160, 83, 33) }
```

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

Here you see how a box with a 4 pixel rgb(160, 83, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 83, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 83, 33);  
box-shadow:4px 4px 4px 4px rgb(160, 83,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8650, 13.7699, 3.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 83, 33) }
```

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

```
.background{ background-color: rgb(160, 83,  
33) }
```

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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